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STATISTICAL ABSTRACT OF NORTH DAKOTA 1983

Prepared by
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
UNIVERSITY OF NORTH DAKOTA

in cooperation with the
NORTH DAKOTA OFFICE OF
INTERGOVERNMENTAL ASSISTANCE

The University of North Dakota Press
Grand Forks
1983

Second Edition, June 1983

SUGGESTED CITATION
The University of North Dakota
Bureau of Business and Economic Research
North Dakota Statistical Abstract 1983 (2nd Edition)
Grand Forks, North Dakota

UNIVERSITY OF NORTH DAKOTA

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Grand Forks, North Dakota
Spring 1983

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ACKNOWLEDGMENTS

Many people assisted the project staff in the preparation of this document. Special recognition is extended to the following individuals for their generous contribution of time in providing data and/or reviewing various draft sections of the Statistical Abstract of North Dakota.

Errors remain the responsibility of the project directors.

Dorothy Adams
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Mel Barnett
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LeRoy Bollinger
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Sheila O'Shaughnessy
ND Industrial Commission

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ND Public Service
Commission

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Job Service of ND

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NDSU, Dept. of
Agricultural Economics

Harold Vavra
ND Aeronautics Commission

INTRODUCTION

The Statistical Abstract of North Dakota 1983 had its genesis in the enthusiastic responses we received from both in-state and out-of-state users of the first Abstract 1979. As with the first edition, we have sought to publish a single reference volume which provides descriptive data about the State of North Dakota and its principal political subdivisions. The Abstract is intended to serve as a guide to basic data sources concerning North Dakota's people, its environment, its public-sector institutions and its economy.

The underlying purpose of this project is to provide the interested reader and researcher with ready access to data which would otherwise require locating and consulting a large number of separate publications. Inevitably, in compressing a vast array of data, there are numerous gaps. In selecting data for inclusion in this Abstract, the objective has been to provide key data from a broad range of sources rather than exhaustive data for a limited number of topic areas. A few tables from the 1979 Abstract had to be eliminated due to the data series being discontinued by the primary source. On the other hand, several new tables have been added. Of course, tables from the 1979 Abstract have been updated. Data from the 1980 U.S. Census have been employed for updating numerous tables.

Every attempt has been made to utilize the most recent and complete sources of information. The guiding criterion in this respect was that data should be drawn from official publications or from the files of a government agency or private organization charged with the responsibility of maintaining current data files on a particular subject. In some instances information was obtained from supplemental sources such as the Statistical Abstract of the United States.

Data are presented at various levels of aggregation. State-level data are frequently compared with data for adjacent states and the United States as a whole. Whenever possible, county-level data have been provided, sometimes also summarized by state planning region. Occasionally, municipal and other small-place data are presented.

Historical data series are most often limited to recent years or comparisons at five- to ten-year intervals. The reader is urged to consult the original source for more complete time series records.

A number of maps are presented at the beginning of the Abstract and in the section on Geography and Climate to help orient the user to North Dakota and to provide a spatial perspective for county- and city-level comparisons.

The reader is cautioned to use considerable care in interpreting and applying the data presented in this Abstract. Data collection and reporting are subject to many inherent limitations: definitional problems and errors in sampling, estimation, and transcription, to name but a few of the most prevalent. Users may note that discrepancies sometimes exist between similar data obtained from different sources. These are normally due to divergent definitions, assumptions, and collection methodologies. For detailed definitions of the data, and explanations of reporting procedures, the cited data source or originating agency should be consulted.

This project would not have been possible without the help of numerous persons. Foremost are the project managers for the first Abstract, Richard Kauffman and Oscar Lund, as well as the original research staff, Brian Eggleston and Marilyn Korbach, who blazed a very clear trail for this edition. A debt of graditude is also owed to the administrators and staffs of numerous North Dakota state agencies who helped us update the tables. The assistance of Dave Torkelson of the North Dakota Economic Development Commission in providing a review of the Abstract is greatly appreciated. Finally, this project would not have been possible without the financial support of the North Dakota Office of Intergovernmental Assistance.

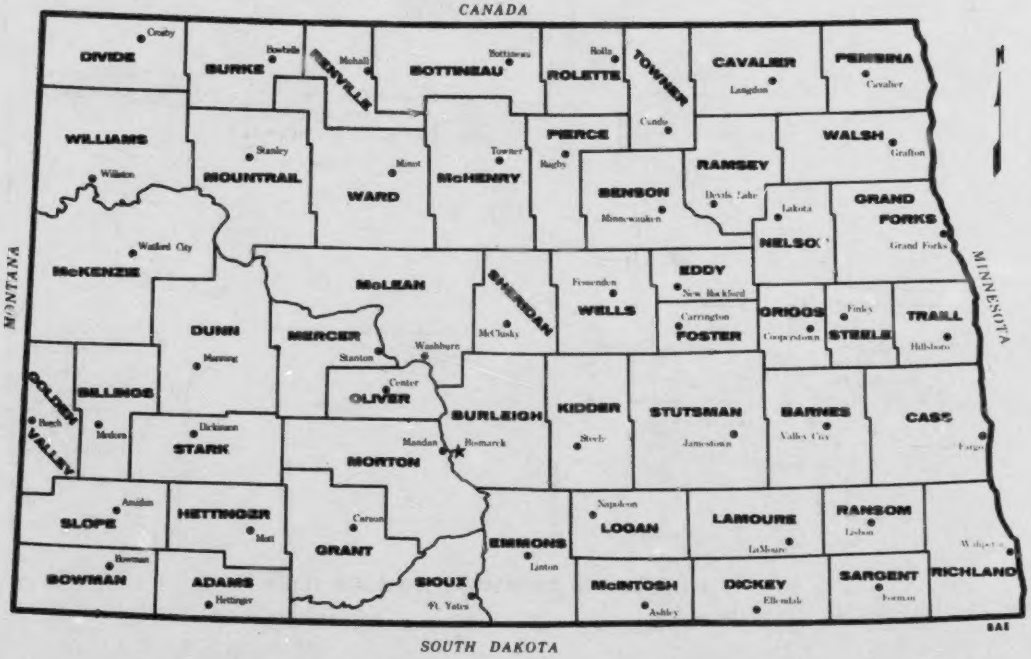
Comments by readers and users regarding the scope and content of this 1983 Abstract will be greatly appreciated. It is only with such input that we can be certain that future editions of the Abstract will serve the needs of those interested in North Dakota. Suggestions for changes in data covered or in format are especially welcome.

Larry Dobesh and Scot Stradley
Project Directors

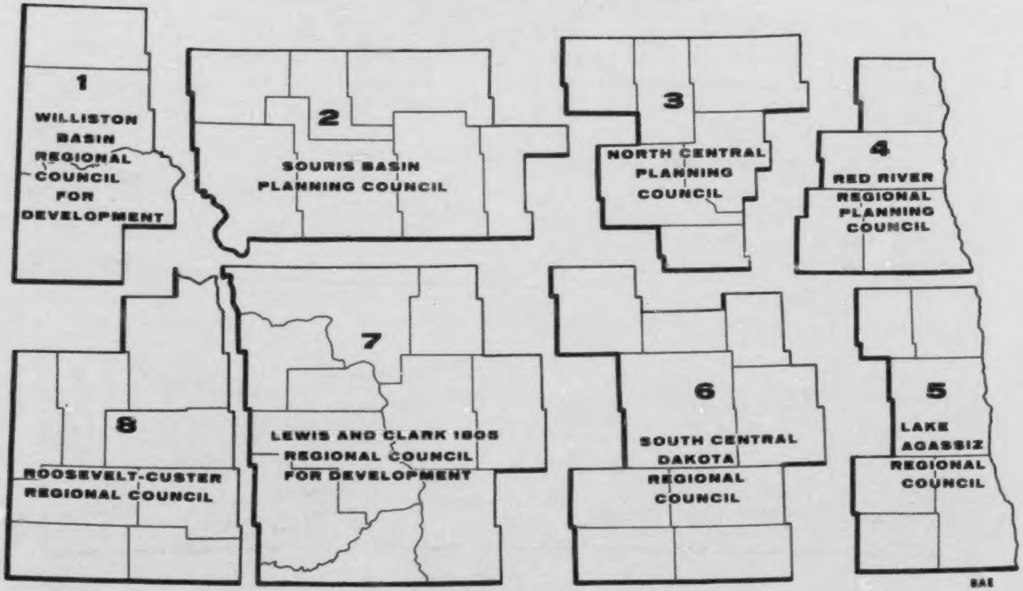
PEOPLE AND ENVIRONMENT

Population
Health and Vital Statistics
Geography and Climate

NORTH DAKOTA COUNTIES


CANADA
MONTANA
MINNESOTA
SOUTH DAKOTA
N
DIVIDE
Crosby
BURKE
Bowbells
RENVILLE
Mohall
BOTTINEAU
Bottineau
ROLETTE
Rolla
TOWNER
Cando
CAVALIER
Langdon
PEMBINA
Cavalier
WILLIAMS
Williston
MOUNTRAIL
Stanley
WARD
Minot
McHENRY
Towner
PIERCE
Rugby
BENSON
Minnewaukan
RAMSEY
Devils Lake
WALSH
Grafton
NELSON
Lakota
GRAND FORKS
Grand Forks
McKENZIE
Watford City
McLEAN
Washburn
SHERIDAN
McClusky
WELLS
Fessenden
EDDY
New Rockford
FOSTER
Carrington
GRIGGS
Cooperstown
STEELE
Finley
TRAILL
Hillsboro
DUNN
Manning
MERCER
Stanton
OLIVER
Center
GOLDEN VALLEY
Beach
BILLINGS
Medora
STARK
Dickinson
MORTON
Mandan
BURLEIGH
Bismarck
KIDDER
Steele
STUTSMAN
Jamestown
BARNES
Valley City
CASS
Fargo
SLOPE
Amidon
HETTINGER
Mott
GRANT
Carson
EMMONS
Linton
LOGAN
Napoleon
LAMOURE
LaMoure
RANSOM
Lisbon
RICHLAND
Wahpeton
BOWMAN
Bowman
ADAMS
Hettinger
SIOUX
Ft. Yates
McINTOSH
Ashley
DICKEY
Ellendale
SARGENT
Forman
BAE

NORTH DAKOTA PLANNING AND DEVELOPMENT REGIONS


1
WILLISTON BASIN REGIONAL COUNCIL FOR DEVELOPMENT
2
SOURIS BASIN PLANNING COUNCIL
3
NORTH CENTRAL PLANNING COUNCIL
4
RED RIVER REGIONAL PLANNING COUNCIL
5
LAKE AGASSIZ REGIONAL COUNCIL
6
SOUTH CENTRAL DAKOTA REGIONAL COUNCIL
7
LEWIS AND CLARK 1805 REGIONAL COUNCIL FOR DEVELOPMENT
8
ROOSEVELT-CUSTER REGIONAL COUNCIL
BAE

1.00

POPULATION

This section contains information on the size, growth, distribution, and selected demographic characteristics of North Dakota's population. The resident population is made up of inhabitants who claim the designated area as their usual place of abode. This place is not necessarily the legal residence or voting residence. Persons in the armed forces are counted as residents of the area in which their installations are located. College students are considered residents of the communities in which they are residing while attending college. The principal source of population statistics is the U.S. Bureau of the Census, which collects highly detailed information on the population and its characteristics in its Census of Population, conducted every ten years. The method of counting the population in the decennial census is house-to-house enumeration. It should be noted, however, that the census count is not absolutely accurate. Evaluation studies indicate a net underenumeration, with even higher rates of underenumeration for minority groups such as North Dakota's Native American population. Certain detailed characteristics of the population are obtained from a representative sampling of households during the enumeration process.

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TABLE 1.02

POPULATION OF NORTH DAKOTA AND URBAN-RURAL COMPOSITION, CENSUS YEARS, 1870-1980

Census Year	Population	Percent Change from Preceding Census	Percent Rural[1]	Percent Urban
1870	2,405[2]	----%	100.0%	----%
1880	36,909[2]	1,434.7	92.7	7.3
1890	190,983	417.4	94.4	5.6
1900	319,146	67.1	92.7	7.3
1910	577,056	80.8	89.0	11.0
1920	646,872	12.1	86.4	13.6
1930	680,845	5.3	83.4	16.6
1940	641,935	-5.7	79.4	20.6
1950	619,636	-3.5	73.4	26.6
1960	632,446	2.1	64.8	35.2
1970	617,761	-2.3	55.7	44.3
1980	652,717	5.7	51.2	48.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

[1] Persons living in areas with less than 2,500 population.

[2] Population of that part of Dakota Territory which is now North Dakota.

TABLE 1.03

PERCENT OF NORTH DAKOTA COUNTY POPULATION CLASSIFIED AS RURAL AND URBAN, 1980

County	1980 Population	% Rural*	% Urban
Adams	3,584	100.00	-----
Barnes	13,960	44.31	55.69
Benson	7,944	100.00	-----
Billings	1,138	100.00	-----
Bottineau	9,239	69.38	30.62
Bowman	4,229	100.00	-----
Burke	3,822	100.00	-----
Burleigh	54,811	17.10	82.90
Cass	88,247	18.44	81.56
Cavalier	7,636	100.00	-----
Dickey	7,207	100.00	-----
Divide	3,494	100.00	-----
Dunn	4,627	100.00	-----
Eddy	3,554	100.00	-----
Emmons	5,877	100.00	-----
Foster	4,611	42.72	57.28
Golden Valley	2,391	100.00	-----
Grand Forks	66,100	19.58	80.42
Grant	4,274	100.00	-----
Griggs	3,714	100.00	-----
Hettinger	4,275	100.00	-----
Kidder	3,833	100.00	-----
LaMoure	6,473	100.00	-----
Logan	3,493	100.00	-----
McHenry	7,858	100.00	-----
McIntosh	4,800	100.00	-----
McKenzie	7,132	100.00	-----
McLean	12,383	100.00	-----
Mercer	9,404	69.08	30.92
Morton	25,177	37.78	62.22
Mountrail	7,679	100.00	-----
Nelson	5,233	100.00	-----
Oliver	2,495	100.00	-----
Pembina	10,399	100.00	-----
Pierce	6,166	45.91	54.09

TABLE 1.03--Continued

County	1980 Population	% Rural*	% Urban
Ramsey	13,048	42.96	57.04
Ransom	6,698	100.00	-----
Renville	3,608	100.00	-----
Richland	19,207	52.81	47.19
Rolette	12,177	100.00	-----
Sargent	5,512	100.00	-----
Sheridan	2,819	100.00	-----
Sioux	3,620	100.00	-----
Slope	1,157	100.00	-----
Stark	23,697	32.80	67.20
Steele	3,106	100.00	-----
Stutsman	24,154	32.60	67.40
Towner	4,052	100.00	-----
Traill	9,624	100.00	-----
Walsh	15,371	65.57	34.43
Ward	58,392	26.83	73.17
Wells	6,979	63.79	36.21
Williams	22,237	40.03	59.97

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, General Population Characteristics--North Dakota, 1980.

* Persons living in areas with less than 2,500 population.

TABLE 1.04

POPULATION OF NORTH DAKOTA STATE PLANNING REGIONS AND SMSAs, CENSUS YEARS, 1950-1980

	1950	1960	1970	1980
Region 1	32,412	34,913	29,992	32,863
Region 2	89,248	97,541	100,360	96,764
Region 3	59,722	54,133	49,670	48,411
Region 4	80,382	86,654	93,857	87,103
Region 5	111,738	116,007	118,131	132,394
Region 6	94,822	90,400	78,965	75,391
Region 7	107,515	106,491	104,207	124,693
Region 8	46,951	46,227	42,609	45,080
SMSAs				
Fargo - Moorhead*	89,240	106,027	120,261	137,574
Grand Forks**	75,343	84,859	95,537	100,944
NORTH DAKOTA	619,636	632,446	617,761	652,717

SOURCE: Complied from data in U.S. Dept. of Commerce, Bureau of the Census, Current Population Reports, and Census of Population, Number of Inhabitants--North Dakota, various years.

* Designated SMSA August 1960, data for prior years represent area which is now SMSA.

** Designated SMSA June 1977, data for prior years represent area which is now SMSA. Includes Grand Forks/East Grand Forks.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 1.05

NORTH DAKOTA POPULATION BY COUNTY, CENSUS YEARS, 1950-1980

County	1950	1960	1970	1980
Adams	4,910	4,449	3,832	3,584
Barnes	16,884	16,719	14,669	13,960
Benson	10,675	9,435	8,245	7,944
Billings	1,777	1,513	1,198	1,138
Bottineau	12,140	11,315	9,496	9,239
Bowman	4,001	4,154	3,901	4,229
Burke	6,621	5,886	4,739	3,822
Burleigh	25,673	34,016	40,714	54,811
Cass	58,877	66,947	73,653	88,247
Cavalier	11,840	10,064	8,213	7,636
Dickey	9,121	8,147	6,976	7,207
Divide	5,967	5,566	4,564	3,494
Dunn	7,212	6,350	4,895	4,627
Eddy	5,372	4,936	4,103	3,554
Emmons	9,715	8,462	7,200	5,877
Foster	5,337	5,361	4,832	4,611
Golden Valley	3,499	3,100	2,611	2,391
Grand Forks	39,443	48,677	61,102	66,100
Grant	7,114	6,248	5,009	4,274
Griggs	5,460	5,023	4,184	3,714
Hettinger	7,100	6,317	5,075	4,275
Kidder	6,168	5,386	4,362	3,833
LaMoure	9,498	8,705	7,117	6,473
Logan	6,357	5,369	4,245	3,493
McHenry	12,556	11,099	8,977	7,858
McIntosh	7,590	6,702	5,545	4,800
McKenzie	6,849	7,296	6,127	7,132
McLean	18,824	14,030	11,251	12,383
Mercer	8,686	6,805	6,175	9,404
Morton	19,295	20,992	20,310	25,177
Mountrail	9,418	10,077	8,437	7,679
Nelson	8,090	7,034	5,807	5,233
Oliver	3,091	2,610	2,322	2,495
Pembina	13,990	12,946	10,728	10,399
Pierce	8,326	7,394	6,323	6,166

TABLE 1.05--Continued

County	1950	1960	1970	1980
Ramsey	14,373	13,433	12,915	13,048
Ransom	8,876	8,078	7,102	6,698
Renville	5,405	4,698	3,828	3,608
Richland	19,865	18,824	18,089	19,207
Rolette	11,102	10,641	11,549	12,177
Sargent	7,616	6,856	5,937	5,512
Sheridan	5,253	4,350	3,232	2,819
Sioux	3,696	3,662	3,632	3,620
Slope	2,315	1,893	1,484	1,157
Stark	16,137	18,451	19,613	23,697
Steele	5,145	4,719	3,749	3,106
Stutsman	24,158	25,137	23,550	24,154
Towner	6,360	5,624	4,645	4,052
Traill	11,359	10,583	9,571	9,624
Walsh	18,859	17,997	16,251	15,371
Ward	34,782	47,072	58,560	58,392
Wells	10,417	9,237	7,847	6,979
Williams	16,442	22,051	19,301	22,237
NORTH DAKOTA	619,636	632,446	617,761	652,717

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

TABLE 1.06

POPULATION DENSITY AND RANK OF NORTH DAKOTA COUNTIES, CENSUS YEARS, 1950-1980

County	1950		1960		1970		1980	
	Density*	Rank	Density*	Rank	Density*	Rank	Density*	Rank
Adams	5.0	41	4.5	41	3.9	41	3.6	39
Barnes	11.4	12	11.3	11	9.9	13	9.3	14
Benson	7.6	29	6.7	29	5.9	26	5.6	23
Billings	1.6	53	1.3	53	1.1	53	1.0	52
Bottineau	7.3	30	6.7	28	5.7	28	5.5	26
Bowman	3.4	49	3.6	47	3.3	43	3.6	40
Burke	5.9	38	5.3	40	4.2	39	3.4	43
Burleigh	15.8	4	20.9	4	25.1	4	33.9	3
Cass	33.6	1	38.3	1	42.1	2	49.9	1
Cavalier	7.8	26	6.7	30	5.4	31	5.1	30
Dickey	8.0	24	7.1	21	6.1	21	6.3	20
Divide	4.6	42	4.3	43	3.5	42	2.7	47
Dunn	3.6	46	3.2	49	2.5	50	2.3	51
Eddy	8.5	18	7.8	19	6.5	19	5.6	24
Emmons	6.5	33	5.6	34	4.8	33	3.9	36
Foster	8.3	21	8.3	17	7.5	17	7.2	18
Golden Valley	3.5	47	3.1	50	2.6	49	2.4	50
Grand Forks	27.4	2	33.9	2	42.5	1	45.9	2
Grant	4.3	45	3.8	45	3.0	48	2.6	48
Griggs	7.7	27	7.1	24	5.9	25	5.2	29
Hettinger	6.3	35	5.6	35	4.5	36	3.8	38
Kidder	4.5	43	4.0	44	3.2	47	2.8	45
LaMoure	8.4	19	7.7	20	6.3	20	5.6	25
Logan	6.4	34	5.4	37	4.2	40	3.5	41
McHenry	6.7	32	5.9	33	4.8	34	4.2	33
McIntosh	7.7	28	6.8	27	5.6	29	4.9	31
McKenzie	2.5	51	2.7	51	2.2	51	2.6	49
McLean	9.1	16	6.8	26	5.4	30	6.0	21
Mercer	8.3	20	6.5	32	5.9	24	9.0	16
Morton	10.0	15	10.9	13	10.6	10	13.1	8

TABLE 1.06--Continued

County	1950 Density*	1950 Rank	1960 Density*	1960 Rank	1970 Density*	1970 Rank	1980 Density*	1980 Rank
Mountrail	5.2	40	5.5	36	4.6	35	4.2	34
Nelson	3.1	50	7.1	22	5.8	27	5.3	28
Oliver	4.3	44	3.6	46	3.2	46	3.5	42
Pembina	12.4	8	11.5	10	9.5	14	9.3	15
Pierce	8.0	22	7.1	25	6.1	22	5.9	22
Ramsey	11.5	11	10.8	14	10.3	12	10.5	13
Ransom	10.3	14	9.4	16	8.2	16	7.8	17
Renville	6.1	36	5.3	39	4.3	38	4.1	35
Richland	13.7	6	13.0	7	12.5	8	13.4	6
Rolette	12.2	10	11.7	9	12.6	6	13.3	7
Sargent	8.9	17	8.0	18	7.0	18	6.4	19
Sheridan	5.3	39	4.4	42	3.3	45	2.8	46
Sioux	3.4	48	3.3	48	3.3	44	3.3	44
Slope	1.9	52	1.5	52	1.2	52	0.9	53
Stark	12.3	9	14.0	5	14.9	5	17.7	5
Steele	7.2	31	6.6	31	5.3	32	4.4	32
Stutsman	10.7	13	11.1	12	10.4	11	10.7	11
Towner	6.1	37	5.4	38	4.5	37	3.9	37
Traill	13.2	7	12.3	8	11.1	9	11.2	10
Walsh	14.7	5	14.0	6	12.6	7	11.9	9
Ward	17.0	3	23.0	3	28.6	3	28.6	4
Wells	8.0	23	7.1	23	6.0	23	5.4	27
Williams	8.0	25	10.7	15	9.4	15	10.7	12
NORTH DAKOTA	8.9	--	9.1	--	8.9	--	9.4	--

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

* Persons per square mile of land area.

TABLE 1.07

POPULATION OF NORTH DAKOTA COUNTIES EXPRESSED AS PERCENT OF TOTAL NORTH DAKOTA POPULATION, CENSUS YEARS, 1950-1980

County	1950	1960	1970	1980
Adams	0.8%	0.7%	0.6%	0.5%
Barnes	2.7	2.6	2.4	2.1
Benson	1.7	1.5	1.3	1.2
Billings	0.3	0.2	0.2	0.2
Bottineau	2.0	1.8	1.5	1.4
Bowman	0.6	0.7	0.6	0.6
Burke	1.1	0.9	0.8	0.6
Burleigh	4.1	5.4	6.6	8.4
Cass	9.5	10.6	11.9	13.5
Cavalier	1.9	1.6	1.3	1.2
Dickey	1.5	1.3	1.1	1.1
Divide	1.0	0.9	0.7	0.5
Dunn	1.2	1.0	0.8	0.7
Eddy	0.9	0.7	0.7	0.5
Emmons	1.6	1.3	1.2	0.9
Foster	0.9	0.8	0.8	0.7
Golden Valley	0.6	0.5	0.4	0.3
Grand Forks	6.4	7.7	9.9	10.1
Grant	1.1	1.0	0.8	0.7
Griggs	0.9	0.8	0.7	0.6
Hettinger	1.1	1.0	0.8	0.7
Kidder	1.0	0.9	0.7	0.6
LaMoure	1.5	1.4	1.2	1.0
Logan	1.0	0.8	0.7	0.5
McHenry	2.0	1.8	1.5	1.2
McIntosh	1.2	1.1	0.9	0.7
McKenzie	1.1	1.2	1.0	1.1
McLean	3.0	2.2	1.8	1.9
Mercer	1.4	1.1	1.0	1.4
Morton	3.1	3.3	3.3	3.9

TABLE 1.01

POPULATION OF THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, CENSUS YEARS, 1900-1980 (In Thousands)

	1900	1910	1920	1930	1940	1950	1960	1970	1980
United States	76,094	92,407	106,022	123,203	132,165	151,326	179,323	203,212	226,505
NORTH DAKOTA	319	577	647	681	642	620	632	618	653
Minnesota	1,751	2,076	2,387	2,564	2,792	2,982	3,414	3,805	4,077
Iowa	2,232	2,225	2,404	2,471	2,538	2,621	2,758	2,824	2,913
Missouri	3,107	3,293	3,404	3,629	3,785	3,955	4,320	4,677	4,917
South Dakota	402	584	637	693	643	653	681	666	690
Nebraska	1,066	1,192	1,296	1,316	1,316	1,326	1,411	1,483	1,570
Kansas	1,470	1,691	1,769	1,801	1,905	1,905	2,179	2,247	2,363
Montana	243	376	549	538	559	591	675	694	787
Wyoming	93	146	194	226	251	291	330	332	471

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Historical Statistics of the United States Colonial Times to 1970, and Statistical Abstract of the United States, 1981.

TABLE 1.07--Continued

County	1950	1960	1970	1980
Mountrail	1.5%	1.6%	1.4%	1.2%
Nelson	1.3	1.1	0.9	0.8
Oliver	0.5	0.4	0.4	0.4
Pembina	2.3	2.0	1.7	1.6
Pierce	1.3	1.2	1.0	0.9
Ramsey	2.3	2.1	2.1	2.0
Ransom	1.4	1.3	1.1	1.0
Renville	0.9	0.7	0.6	0.6
Richland	3.2	3.0	2.9	2.9
Rolette	1.8	1.7	1.9	1.9
Sargent	1.2	1.1	1.0	0.8
Sheridan	0.8	0.7	0.5	0.4
Sioux	0.6	0.6	0.6	0.6
Slope	0.4	0.3	0.2	0.2
Stark	2.6	2.9	3.2	3.6
Steele	0.8	0.7	0.6	0.5
Stutsman	3.9	4.0	3.8	3.7
Towner	1.0	0.9	0.8	0.6
Traill	1.8	1.7	1.5	1.5
Walsh	3.0	2.8	2.6	2.4
Ward	5.6	7.4	9.5	8.9
Wells	1.7	1.5	1.3	1.1
Williams	2.7	3.5	3.1	3.4

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

Note: Totals may not sum to one due to rounding.

TABLE 1.08

CHANGE IN NORTH DAKOTA POPULATION FOR THE PERIODS: 1950-1960, 1960-1970 AND 1970-1980

County	% Change for the Periods		
	1950 to 1960	1960 to 1970	1970 to 1980
Adams	- 9.4%	-13.9%	- 6.5%
Barnes	- 1.0	-12.3	- 4.8
Benson	-11.6	-12.6	- 3.6
Billings	-14.9	-20.8	- 8.2
Bottineau	- 6.8	-16.1	- 2.7
Bowman	3.8	- 6.1	8.4
Burke	-11.1	-19.5	-19.4
Burleigh	32.5	19.7	34.6
Cass	13.7	10.0	19.8
Cavalier	-15.0	-18.4	- 7.0
Dickey	-10.7	-14.4	3.3
Divide	- 6.7	-18.0	-23.4
Dunn	-12.0	-22.9	- 5.6
Eddy	- 8.1	-16.9	-13.4
Emmons	-12.9	-14.9	-18.4
Foster	0.4	- 9.9	- 4.6
Golden Valley	-11.4	-15.8	- 8.4
Grand Forks	23.4	25.5	8.2
Grant	-12.2	-19.8	-14.7
Griggs	- 8.0	-16.7	-11.2
Hettinger	-11.0	-19.7	-15.8
Kidder	-12.7	-19.0	-12.1
LaMoure	- 8.3	-18.2	- 9.0
Logan	-15.5	-20.9	-17.7
McHenry	-11.6	-19.1	-12.5
McIntosh	-11.7	-17.3	-13.4
McKenzie	6.5	-16.0	16.4
McLean	-25.5	-19.8	10.1
Mercer	-21.7	- 9.3	52.3
Morton	8.8	- 3.2	24.0

TABLE 1.08--Continued

County	% Change for the Periods 1950 to 1960	1960 to 1970	1970 to 1980
Mountrail	7.0%	-16.3%	- 9.0%
Nelson	-13.1	-17.9	- 9.9
Oliver	-15.6	-11.0	7.5
Pembina	- 7.5	-17.1	- 3.1
Pierce	-11.2	-14.5	- 2.5
Ramsey	- 6.5	- 3.9	1.3
Ransom	- 9.0	-12.1	- 5.7
Renville	-13.1	-18.5	- 5.7
Richland	- 5.2	-12.5	6.2
Rolette	- 4.1	8.5	5.4
Sargent	-10.0	-13.4	- 7.2
Sheridan	-17.2	-25.7	-12.8
Sioux	-0.9	-0.8	-0.3
Slope	-18.2	-21.6	-22.0
Stark	14.3	6.3	20.8
Steele	- 8.3	-20.6	-17.2
Stutsman	4.1	- 6.3	2.6
Towner	-11.6	-17.4	-12.8
Traill	- 6.8	- 9.6	0.6
Walsh	- 4.6	- 9.7	- 5.4
Ward	35.3	24.4	- 0.3
Wells	-11.3	-15.0	-11.1
Williams	34.1	-12.5	15.2
NORTH DAKOTA	2.1	-2.3	5.7

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, _Current Population Reports_, and _Census of Population, Number of Inhabitants--North Dakota_, various years.

TABLE 1.09

PERCENTAGE DISTRIBUTION OF COUNTY POPULATION BY SEX, AGE GROUP AND RACE, 1980

		Age Group (Years)				Race				
County	% Male	% Under 18	% 18-44	% 45-64	% 65 & Over	% White	% Indian	% Black	% Asian	% Spanish
Adams	49.94	28.49	34.49	20.76	16.27	99.55	0.22	0.03	0.20	0.25
Barnes	49.36	26.10	37.20	19.48	17.21	99.34	0.34	0.12	0.14	0.20
Benson	51.12	35.81	30.74	18.64	14.80	70.68	29.15	0.01	0.01	0.34
Billings	52.37	33.39	36.03	22.06	8.52	99.65	0.35	0.00	0.00	0.18
Bottineau	50.08	28.15	34.60	19.70	17.55	98.91	0.81	0.01	0.18	0.18
Bowman	50.18	32.18	35.49	18.82	13.50	99.55	0.24	0.00	0.05	0.14
Burke	50.37	27.21	28.62	24.88	19.28	99.50	0.13	0.08	0.18	0.39
Burleigh	48.80	29.89	45.53	16.19	8.39	97.38	1.87	0.08	0.35	0.37
Cass	49.54	26.09	48.53	15.82	9.56	98.41	0.57	0.16	0.43	0.58
Cavalier	51.36	29.64	31.67	21.65	17.05	99.36	0.50	0.01	0.08	0.21
Dickey	50.13	29.00	34.20	19.68	17.12	99.22	0.15	0.01	0.31	0.31
Divide	51.43	25.67	28.79	25.36	20.18	99.63	0.23	0.00	0.03	0.03
Dunn	52.30	32.27	35.44	20.79	11.50	90.08	9.75	0.02	0.02	0.73
Eddy	50.70	27.57	29.49	22.43	20.51	99.21	0.73	0.03	0.03	0.08
Emmons	50.67	33.01	27.87	23.60	15.52	99.85	0.10	0.02	0.02	0.31
Foster	49.53	30.69	31.82	20.99	16.50	99.39	0.39	0.02	0.11	0.24
Golden Valley	50.61	31.45	31.74	20.66	16.14	99.54	0.25	0.08	0.00	0.13
Grand Forks	51.03	27.65	51.55	12.85	7.95	95.36	1.20	1.70	0.73	1.44
Grant	52.04	31.38	30.65	22.46	15.51	98.97	0.66	0.02	0.02	0.30
Griggs	51.91	25.79	30.16	23.99	20.06	99.54	0.35	0.00	0.03	0.05
Hettinger	50.36	29.68	30.69	23.77	15.86	99.67	0.05	0.00	0.28	0.23
Kidder	51.11	31.33	30.99	23.27	14.40	99.84	0.05	0.00	0.08	0.16
LaMoure	50.41	29.24	30.19	22.49	18.08	99.58	0.22	0.03	0.06	0.09
Logan	51.27	29.60	27.66	25.99	16.75	99.97	0.00	0.00	0.00	0.29
McHenry	51.91	29.41	30.54	21.62	18.43	99.55	0.20	0.05	0.10	0.11
McIntosh	49.40	23.85	26.44	26.85	22.85	99.71	0.06	0.00	0.00	0.25
McKenzie	52.36	33.40	38.22	17.95	10.43	86.43	12.83	0.01	0.08	0.90
McLean	51.49	30.95	34.56	20.10	14.40	95.19	4.43	0.02	0.10	0.52
Mercer	52.09	31.14	40.71	17.94	10.22	96.99	2.20	0.11	0.20	0.48
Morton	50.43	32.87	38.84	17.50	10.79	98.85	0.90	0.03	0.10	0.33

TABLE 1.11

POPULATION OF NORTH DAKOTA CITIES, CENSUS YEARS, 1920-1980

City	1980	1970	1960	1950	1940	1930	1920
Abercrombie	260	262	244	244	215	242	266
Adams	303	284	360	411	355	345	404
Alamo	122	124	182	192	214	211	---
Alexander	358	208	269	302	415	386	---
Alice	62	83	124	162	181	169	---
Almont	146	109	190	190	234	---	---
Alsen	169	201	228	114	312	358	---
Ambrose	60	109	220	286	294	334	389
Amenia	93	80	117	127	104	90	---
Amidon	43	54	84	82	102	141	145
Annamoose	355	401	503	542	478	495	563
Aneta	341	376	451	469	509	568	662
Antler	101	135	210	217	254	318	265
Ardoch	78	70	106	137	119	110	153
Argusville	147	118	118	126	145	115	---
Arnegard	193	141	228	206	222	254	---
Arthur	445	412	325	380	335	322	---
Ashley	1,192	1,236	1,419	1,423	1,345	1,033	1,009
Ayr	42	48	81	104	107	106	---
Balfour	51	93	159	162	193	197	322
Balta	139	133	165	196	263	---	---
Bantry	28	40	66	125	---	---	---
Barney	70	81	115	---	---	---	---
Barton	38	34	80	102	157	170	158
Bathgate	67	133	175	209	312	292	352
Beach	1,381	1,408	1,460	1,461	1,178	1,263	1,006
Belfield	1,274	1,130	1,064	1,051	870	653	526
Benedict	68	72	129	127	167	145	195
Bergen	24	24	52	51	67	98	---
Berlin	57	76	78	124	132	135	130
Berthold	479	398	431	459	428	511	498
Berwick	22	33	56	71	92	---	---
Beulah	2,908	1,344	1,318	1,501	942	913	552
Binford	293	242	261	309	311	317	393
Bisbee	257	305	388	365	393	531	500
Bismarck	44,485	34,703	27,670	18,640	15,496	11,090	7,122
Bottineau	2,829	2,760	2,613	2,268	1,739	1,322	1,172
Bowbells	587	584	687	806	787	695	643
Bowdon	220	229	259	348	348	303	306
Bowman	2,071	1,762	1,730	1,382	967	888	767
Braddock	86	106	141	175	185	193	216
Brinsmade	54	36	110	136	206	199	191
Brocket	74	95	153	212	291	276	240
Bucyrus	32	42	60	111	117	124	113
Buffalo	226	241	234	261	245	242	268
Burlington	762	547	262	---	---	---	---
Butte	157	193	257	272	261	231	---
Buxton	336	235	321	387	404	410	---
Calio	60	75	101	102	98	152	132
Calvin	61	78	104	152	---	---	---
Cando	1,496	1,512	1,566	1,530	1,282	1,164	1,111

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Canton	68	81	130	139	148	125	101
Carpio	244	215	199	194	322	344	244
Carrington	2,641	2,491	2,438	2,101	1,850	1,717	1,420
Carson	469	466	501	493	473	356	277
Casselton	1,661	1,485	1,394	1,373	1,358	1,253	1,528
Cathay	66	110	110	209	189	235	185
Cavalier	1,505	1,381	1,423	1,459	1,105	850	819
Cayuga	75	116	195	178	196	219	182
Center	900	619	476	492	509	293	---
Churchs Ferry	139	139	161	223	244	295	353
Cleveland	130	128	169	181	246	273	341
Clifford	51	84	109	158	---	---	---
Cogswell	227	203	305	393	430	426	445
Coleharbor*	150	112	210	315	---	---	---
Colfax	101	70	98	---	---	---	---
Columbus	325	465	672	525	506	516	332
Conway	33	57	67	107	120	100	148
Cooperstown	1,308	1,485	1,424	1,189	1,077	1,053	1,112
Courtenay	110	125	168	229	297	350	490
Crary	139	150	195	235	267	278	307
Crosby	1,469	1,545	1,759	1,689	1,404	1,271	1,147
Crystal	256	272	372	429	428	314	349
Davenport	195	147	143	150	147	205	214
Dawson	144	131	206	280	263	306	293
Dazey	143	128	226	196	215	251	293
Deering	85	75	117	136	140	192	142
Des Lacs	212	197	185	180	197	205	188
Devils Lake	7,442	7,078	6,299	6,427	6,204	5,519	5,110
Dickey	74	118	143	165	203	168	190
Dickinson	15,924	12,405	9,971	7,469	5,839	5,025	4,122
Dodge	199	121	226	251	234	204	172
Donnybrook	139	163	196	207	215	259	267
Douglas	112	144	210	236	313	288	284
Drake	479	636	752	831	654	644	517
Drayton	1,082	1,095	940	875	688	502	637
Dunn Center	170	107	250	246	238	276	217
Dunseith	625	811	1,017	713	719	484	374
Dwight	72	93	101	129	168	104	139
Edgeley	843	888	992	943	803	821	803
Edinburg	300	315	330	343	378	284	278
Edmore	416	398	405	458	453	396	501
Egeland	112	96	190	248	275	333	306
Elgin	930	839	944	882	583	505	429
Ellendale	1,967	1,517	1,800	1,759	1,517	1,264	1,334
Elliot	44	50	62	87	118	106	---
Emerado	596	515	328	---	---	---	---
Enderlin	1,151	1,343	1,596	1,504	1,593	1,839	1,919
Epping	104	140	151	158	154	183	116
Esmond	337	416	420	475	449	313	313
Fairdale	97	102	126	131	187	171	192
Fairmount	480	412	503	660	705	611	706
Fargo	61,383	53,365	46,662	38,256	32,580	28,619	21,961
Fessenden	761	815	920	917	902	738	731
Fingal	151	166	190	210	300	324	---

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Finley	718	809	808	671	677	587	599
Flasher	410	467	515	413	387	346	287
Flaxton	182	286	375	436	362	423	374
Forbes	84	88	138	204	268	265	293
Fordville	326	361	367	376	439	442	320
Forest River	152	169	191	236	207	198	226
Forman	629	596	530	466	500	386	402
Fortuna	98	216	185	181	214	196	198
Fort Yates	771	1,153	---	---	---	---	---
Fredonia	82	100	141	268	309	394	296
Fullerton	107	110	181	206	184	206	202
Gackle	456	470	523	604	537	493	424
Galesburg	165	134	166	169	---	---	---
Gardena	66	84	113	116	125	120	99
Gardner	94	96	107	136	103	108	---
Garrison	1,830	1,614	1,794	1,890	1,117	1,024	714
Gascoyne	23	34	50	76	48	97	60
Gilby	283	268	281	---	---	---	---
Gladstone	317	222	185	224	278	---	---
Glenburn	454	381	363	281	190	263	228
Glenfield	164	127	129	---	---	---	---
Glen Ullin	1,125	1,070	1,210	1,324	976	950	875
Golden Valley	287	235	286	339	400	294	369
Golva	101	104	162	174	---	---	---
Goodrich	288	300	392	448	476	468	476
Grafton	5,293	5,946	5,885	4,901	4,070	3,136	2,512
Grand Fks Base*	9,390	10,474	---	---	---	---	---
Grand Forks	43,765	39,008	34,451	26,836	20,228	17,112	14,010
Grandin	210	187	147	156	158	172	---
Grano	6	4	14	27	57	90	112
Granville	281	282	400	404	443	450	394
Great Bend	113	86	164	169	198	169	142
Grenora	362	401	448	525	425	487	358
Gwinner	725	623	242	197	---	---	---
Hague	127	146	197	328	442	364	315
Halliday	355	413	509	477	395	305	289
Hamberg	41	51	64	124	164	187	---
Hamilton	109	110	217	241	255	151	200
Hampden	126	114	71	203	193	222	199
Hankinson	1,158	1,125	1,285	1,409	1,420	1,400	1,477
Hanks	10	13	78	115	192	213	---
Hannaford	201	244	277	313	405	351	431
Hannah	90	145	253	257	261	262	---
Hansboro	43	49	143	134	196	176	218
Harvey	2,527	2,361	2,365	2,337	1,851	2,157	1,590
Hatton	326	808	856	991	933	804	828
Havana	148	156	206	267	305	271	319
Haynes	58	53	111	145	210	167	113
Hazelton	266	374	451	453	500	446	382
Hazen	2,365	1,240	1,222	1,230	662	689	520
Hebron	1,078	1,103	1,340	1,412	1,267	1,348	1,374
Hettinger	1,739	1,655	1,769	1,762	1,138	1,292	817
Hillsboro	1,600	1,309	1,278	1,331	1,338	1,317	1,183
Hoople	350	330	334	447	346	325	250

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Hope	406	364	390	470	474	535	699
Horace	494	276	178	190	---	---	---
Hove Mob. Park	3	0	---	---	---	---	---
Hunter	369	362	446	417	414	406	424
Hurdsfield	113	139	183	223	258	220	---
Inkster	135	198	282	304	310	257	368
Jamestown	16,280	15,385	15,163	10,697	8,790	8,187	6,627
Jud	118	110	156	175	202	140	178
Karlsruhe	164	172	221	282	289	258	---
Kathryn	95	109	142	200	229	224	289
Kenmare	1,456	1,515	1,696	1,712	1,528	1,494	1,446
Kensal	210	263	334	376	356	420	415
Kief	36	46	97	135	159	139	307
Killdeer	790	615	765	698	650	495	512
Kindred	568	495	580	504	450	429	334
Knox	69	104	122	190	189	177	173
Kramer	84	125	175	198	220	190	172
Kulm	570	625	664	707	734	742	725
Lakota	963	964	1,066	1,032	907	860	959
LaMoure	1,077	951	1,068	1,010	990	889	1,014
Landa	62	61	110	132	149	140	---
Langdon	2,335	2,192	2,151	1,838	1,546	1,221	1,228
Lankin	175	221	303	287	283	267	334
Lansford	294	296	382	352	300	353	337
Larimore	1,524	1,469	1,714	1,374	1,222	979	1,089
Larson	21	35	62	59	79	89	114
Lawton	101	123	159	211	210	233	227
Leal	45	41	70	72	102	105	88
Leeds	678	626	797	778	782	725	704
Lehr	254	287	381	394	536	458	362
Leith	59	92	100	160	166	174	158
Leonard	289	221	232	---	---	---	---
Lidgerwood	971	1,000	1,081	1,147	1,042	1,029	1,005
Lignite	332	354	355	230	235	217	214
Linton	1,561	1,695	1,826	1,675	1,602	1,192	1,011
Lisbon	2,283	2,090	2,093	2,031	1,997	1,650	1,855
Litchville	253	294	345	408	430	410	528
Loma*	39	85	20	53	256	293	---
Loraine	21	33	54	70	74	92	74
Ludden	47	44	59	96	150	164	132
Luverne	65	84	109	154	187	177	225
McClusky	658	664	751	850	924	719	646
McHenry	113	152	155	180	250	219	299
McVille	626	583	551	626	548	513	546
Maddock	677	708	740	714	691	631	557
Makoti	199	159	214	219	212	276	---
Mandan	15,513	11,093	10,525	7,298	6,685	5,037	4,336
Mantador	76	95	98	138	---	---	---
Manvel	308	265	313	278	209	183	---
Mapleton	306	219	180	169	180	195	198
Marion	214	215	309	272	242	258	294
Marmarth	190	247	319	469	626	721	1,318
Martin	114	120	146	171	228	211	---
Max	317	301	410	465	423	500	473
Maxbass	141	174	218	259	215	217	147

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Mayville	2,255	2,554	2,168	1,790	1,351	1,199	1,218
Maza	21	20	31	82	66	70	---
Medina	521	488	545	564	500	407	415
Medora	94	129	133	---	---	---	---
Mercer	134	132	154	214	---	---	---
Merricourt	17	22	66	105	153	120	70
Michigan City	502	478	451	486	491	433	491
Milnor	716	645	658	674	677	564	680
Milton	195	198	264	322	310	329	393
Minnewaukan	461	496	420	443	521	480	564
Minot	32,843	32,290	30,604	22,032	16,577	16,099	10,476
Minot Base*	9,890	12,077	---	---	---	---	---
Minto	592	636	642	592	630	565	602
Mohall	1,049	950	956	1,073	687	676	651
Monango	59	112	133	138	175	211	231
Montpelier	96	116	97	105	133	165	186
Mooreton	216	158	164	161	146	147	123
Mott	1,315	1,368	1,463	1,583	1,220	1,036	723
Mountain	156	146	218	219	205	---	---
Munich	300	249	213	248	216	260	248
Mylo	31	51	103	110	89	134	140
Napoleon	1,103	1,036	1,078	1,070	982	709	554
Neche	471	451	545	615	565	502	528
Nekoma	102	84	143	140	184	191	189
Newburg	151	125	158	105	119	87	110
New England	825	906	1,095	1,117	895	911	613
New Leipzig	352	354	390	447	366	443	378
New Rockford	1,791	1,969	2,177	2,185	2,017	1,195	2,111
New Salem	1,081	943	986	942	875	804	711
New Town	1,335	1,428	1,586	---	---	---	---
Niagara	76	115	157	163	179	207	199
Nome	67	103	145	217	277	218	267
Noonan	283	403	625	551	520	423	376
Northwood	1,240	1,189	1,195	1,182	1,063	971	935
Oakes	2,112	1,742	1,650	1,774	1,665	1,709	1,637
Oberon	150	151	248	238	---	---	---
Omemee	10	5	11	60	123	170	222
Oriska	125	128	148	135	217	183	300
Osnabrock	222	255	289	284	269	244	310
Overly	25	28	65	90	125	154	193
Page	329	367	432	482	428	443	452
Palermo	97	146	188	150	178	205	179
Park River	1,844	1,680	1,813	1,692	1,408	1,131	1,114
Parshall	1,059	1,246	1,216	935	570	470	376
Pekin	101	120	180	221	229	210	197
Pembina	673	741	625	640	703	551	802
Perth	20	44	73	124	145	153	218
Petersburg	230	266	272	318	285	310	367
Pettibone	127	173	205	---	---	---	---
Pick City	182	119	101	294	---	---	---
Pillsbury	46	50	76	119	161	260	142
Pingree	82	76	151	161	167	266	286
Pisek	156	154	176	215	242	225	300
Plaza	222	291	385	389	360	408	345
Portal	238	251	351	409	499	512	545

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Portland	627	534	606	641	551	500	623
Power Lake	466	523	633	565	464	382	251
Rawson	12	10	28	32	72	65	---
Ray	766	776	1,049	721	579	621	563
Reeder	355	306	321	339	263	395	258
Regan	71	74	104	129	149	162	202
Regent	297	344	388	405	261	308	262
Reynolds	309	236	269	335	315	351	389
Rhame	222	206	254	340	283	356	302
Richardton	699	799	792	721	682	710	626
Robinson	129	125	155	166	160	185	---
Rock Lake	287	270	350	385	348	279	238
Rogers	68	96	119	150	174	169	173
Rolette	667	579	524	451	460	428	409
Rolla	1,538	1,450	1,398	1,176	1,008	852	675
Ross	104	125	167	---	---	---	---
Rugby	3,335	2,889	2,972	2,907	2,215	1,512	1,424
Russo	12	15	31	37	65	104	120
Russell	18	14	25	51	70	94	119
Rutland	250	225	308	309	305	264	291
Ryder	158	211	264	330	467	457	483
St. John	401	367	420	451	517	372	460
St. Thomas	528	508	660	566	503	595	500
Sanborn	237	255	263	324	366	343	391
Sarles	111	148	225	285	302	383	348
Sawyer	417	373	390	264	271	206	241
Scranton	415	360	358	360	277	381	353
Selfridge	273	346	371	343	329	351	153
Sentinel Butte	86	125	160	229	256	219	292
Sharon	166	201	251	312	371	328	362
Sheldon	173	192	221	267	281	327	321
Sherwood	294	369	360	421	390	455	423
Sheyenne	307	362	423	469	431	417	---
Sibley	21	20	22	---	---	---	---
Solen	138	180	---	---	---	---	---
Souris	122	151	213	206	259	248	269
South Heart	294	132	---	---	---	---	---
Springbrook	52	27	35	51	77	105	93
Stanley	1,631	1,581	1,795	1,486	1,058	936	591
Stanton	623	517	409	571	370	358	325
Starkweather	210	193	223	229	295	312	302
Steele	796	696	847	762	721	519	550
Strasburg	623	642	612	733	994	695	653
Streeter	264	324	491	602	647	711	640
Surrey	999	361	309	---	---	---	---
Sykeston	193	232	236	272	273	327	367
Tappen	271	294	326	379	323	268	182
Taylor	239	162	215	258	251	263	285
Thompson	785	291	211	270	276	273	---
Tioga	1,597	1,667	2,087	456	385	435	320
Tolley	103	163	189	248	177	225	325
Tolna	241	247	291	281	172	174	199
Towner City	293	289	300	292	364	435	447
Towner	867	870	948	955	918	622	610
Turtle Lake	802	712	792	839	632	579	395

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Tuttle	202	216	255	368	357	383	321
Underwood	1,329	781	819	1,061	613	488	453
Upham	227	272	333	403	243	257	196
Valley City	7,774	7,843	7,809	6,851	5,917	5,268	4,681
Velva	1,101	1,241	1,330	1,170	1,017	870	836
Venturia	40	77	148	190	257	233	201
Verona	126	140	162	189	201	222	258
Voltaire	65	54	70	72	101	61	---
Wahpeton	9,064	7,076	5,876	5,125	3,747	3,176	3,069
Walcott	186	166	---	---	---	---	---
Wales	74	116	151	235	---	---	---
Walhalla	1,432	1,471	1,432	1,463	1,138	700	634
Warwick	108	168	204	155	224	249	290
Washburn	1,767	804	993	913	901	753	558
Watford City	2,119	1,768	1,865	1,371	1,073	769	260
West Fargo	10,099	5,161	3,328	1,632	707	---	---
Westhope	741	705	824	575	460	521	439
Wheelock	34	21	82	101	94	115	---
White Earth	98	128	208	218	272	240	247
Wildrose	214	235	361	430	472	518	449
Williston	13,336	11,280	11,866	7,378	5,790	5,106	4,178
Willow City	329	403	494	595	524	577	559
Wilton	950	695	739	796	851	1,001	1,026
Wimbledon	330	337	402	449	357	421	521
Wing	220	223	303	312	235	237	---
Wishek	1,345	1,275	1,290	1,241	1,112	1,146	1,003
Wolford	76	81	136	140	206	---	---
Woodworth	137	139	221	207	245	261	297
Wyndmere	550	516	644	627	499	521	170
York	69	102	148	---	---	---	---
Zap	511	271	339	425	574	406	257
Zeeland	253	313	427	484	489	419	323

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

* Unincorporated.

TABLE 1.12

POPULATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES,
CENSUS YEARS, 1950-1980

Municipality	1950	1960	1970	1980
Fargo	38,256	46,662	53,365	61,383
Grand Forks	26,836	34,451	39,008	43,765
Bismarck	18,640	27,670	34.703	44,485
Minot	22,032	30,604	32.290	32,843
Jamestown	10,697	15,163	15,385	16,280
Dickinson	7,469	9,971	12,405	15,924
Williston	7,378	11,866	11,280	13,336
Mandan	7,298	10,525	11,093	15,513
Valley City	6,851	7,309	7,843	7,774
Devils Lake	6,427	6,299	7,078	7,442
Wahpeton	5,125	5,876	7,076	13.336
Grafton	4,901	5,885	5,946	5,293
West Fargo	1,032	3,328	5,161	10,099
Rugby	2,907	2,972	2,889	3,335
Bottineau	2,268	2,613	2,760	2,829
15-City Total	168,117	221,694	248,882	293,637
% State Population	27.1%	35.1%	40.2%	45.0%

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

TABLE 1.09--Continued

		Age Group (Years)				Race				
County	% Male	% Under 18	% 18-44	% 45-64	% 65 & Over	% White	% Indian	% Black	% Asian	% Spanish
Mountrail	50.62	31.15	32.39	21.07	15.39	87.75	11.93	0.01	0.18	0.25
Nelson	51.02	24.92	28.11	23.96	23.01	99.75	0.15	0.02	0.04	0.19
Oliver	52.99	33.75	38.32	19.56	8.38	98.44	1.44	0.08	0.04	0.16
Pembina	50.19	29.17	32.96	21.33	16.54	98.79	0.48	0.05	0.19	1.21
Pierce	50.19	31.38	31.30	19.25	18.07	98.95	0.32	0.00	0.45	0.41
Ramsey	49.17	29.21	35.42	19.39	15.99	97.21	2.54	0.04	0.11	0.22
Ransom	50.90	28.53	30.90	21.48	19.08	99.45	0.10	0.04	0.21	0.21
Renville	51.44	30.40	31.79	20.40	17.41	99.47	0.19	0.00	0.25	0.30
Richland	51.79	25.02	42.98	17.56	14.44	98.24	1.30	0.05	0.10	0.35
Rolette	49.45	40.23	34.31	16.09	9.37	41.86	57.63	0.07	0.15	0.30
Sargent	52.29	30.50	34.54	20.16	14.80	99.69	0.09	0.15	0.00	0.13
Sheridan	51.58	27.56	30.12	26.11	16.21	99.75	0.18	0.00	0.00	0.04
Sioux	50.99	44.25	35.55	14.78	5.41	35.06	64.67	0.00	0.14	0.58
Slope	52.90	31.72	32.84	24.11	11.32	99.65	0.35	0.00	0.00	0.00
Stark	50.12	31.41	42.93	15.86	9.80	98.92	0.57	0.05	0.16	0.35
Steele	51.22	28.82	31.39	23.54	16.26	99.71	0.03	0.06	0.19	0.10
Stutsman	49.46	27.92	39.08	19.60	13.41	98.73	0.55	0.13	0.26	0.31
Towner	50.00	27.59	30.03	22.58	19.79	98.84	1.01	0.07	0.07	0.05
Traill	48.95	26.24	34.87	19.72	19.17	98.82	0.25	0.06	0.09	0.91
Walsh	50.04	28.25	34.01	21.38	16.36	98.54	0.61	0.03	0.14	1.46
Ward	50.40	30.69	45.75	14.55	9.02	95.65	1.12	1.87	0.55	1.29
Wells	50.11	28.27	29.49	21.99	20.25	99.77	0.10	0.00	0.04	0.27
Williams	50.86	29.71	42.11	17.30	10.89	96.34	3.21	0.01	0.27	0.32

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of the Census, Census of Population, General Population Characteristics--North Dakota, 1980.

TABLE 1.10

MEDIAN AGE OF POPULATION (YEARS) BY NORTH DAKOTA COUNTY, CENSUS YEARS, 1950-1980

County	1950	1960	1970	1980
Adams	25.5	26.3	30.6	33.0
Barnes	29.0	27.4	29.1	31.3
Benson	26.9	27.3	27.9	28.4
Billings	24.5	23.5	28.7	28.5
Bottineau	28.0	28.3	32.2	32.9
Bowman	28.8	26.9	28.5	29.5
Burke	29.8	29.7	33.7	38.8
Burleigh	26.8	25.5	25.2	27.1
Cass	28.6	26.0	24.8	27.2
Cavalier	26.2	27.0	31.3	33.8
Dickey	27.6	29.0	33.7	32.1
Divide	30.5	29.2	33.0	40.1
Dunn	22.8	21.5	25.5	29.0
Eddy	28.2	28.3	34.4	36.7
Emmons	22.1	22.7	25.3	33.9
Foster	27.3	26.0	28.8	31.9
Golden Valley	27.1	26.4	29.7	32.2
Grand Forks	27.3	24.4	23.2	24.6
Grant	22.3	23.7	28.9	32.9
Griggs	29.7	31.4	37.3	37.9
Hettinger	22.6	22.7	27.6	33.8
Kidder	24.3	25.2	29.3	32.9
LaMoure	27.3	28.5	33.8	34.9
Logan	22.7	24.0	29.5	37.5
McHenry	26.1	26.9	31.1	34.8
McIntosh	25.7	29.6	36.5	44.7
McKenzie	27.4	25.5	28.2	27.4
McLean	25.4	27.0	31.7	30.8
Mercer	23.7	28.0	31.5	28.4
Morton	24.9	24.5	25.5	27.5
Mountrail	28.7	25.7	30.1	31.8
Nelson	30.7	34.8	40.0	41.9
Oliver	23.3	23.5	26.5	28.1
Pembina	27.0	27.9	33.1	33.0
Pierce	23.4	24.5	29.8	32.4
Ramsey	28.3	28.2	28.8	30.9
Ransom	31.0	33.0	36.8	34.7
Renville	28.5	27.9	31.3	33.6
Richland	28.3	28.9	27.6	27.1
Rolette	22.0	19.5	19.2	23.7
Sargent	27.2	28.8	30.6	31.4
Sheridan	24.9	27.6	35.1	37.6
Sioux	19.6	17.8	18.4	21.5
Slope	24.6	23.2	23.3	30.0
Stark	23.9	22.3	22.7	25.6
Steele	29.3	29.5	32.8	35.1
Stutsman	30.1	29.4	30.2	30.0
Towner	28.1	29.5	33.6	36.1
Traill	30.2	31.6	34.6	33.1
Walsh	29.1	30.3	32.3	33.4
Ward	27.5	24.3	23.4	25.8
Wells	27.6	29.4	32.7	37.0
Williams	29.1	25.4	26.9	27.5
NORTH DAKOTA	26.6	26.7	26.4	32.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, _Census of Population, General Population Characteristics--North Dakota_, various years.

2.00

HEALTH VITAL STATISTICS

This section presents vital statistics (births, deaths, infant deaths, maternal deaths, marriages and divorces) and data on communicable diseases, immunization status of children, health-care facilities and health-care personnel for North Dakota and its counties. The primary sources of data contained herein are the published and unpublished reports of various divisions within the North Dakota State Department of Health.

Vital statistics are compiled by the Health Department's Office of Statistical Services and are published in the Department's Biennial Report. The most recent data are available from "provisional reports," the computer print-outs utilized in preparation of the Biennial Report. A useful historical series of vital statistics is provided in Vital Facts About North Dakota For Twenty Years, which presents vital events by county for the period 1952 through 1971.

Data pertaining to communicable diseases and immunization status of children are compiled by the Health Department's Division of Disease Control. These data are also published in the Biennial Report, although recent data are available only in unpublished form.

Statistics of general hospitals, nursing homes and intermediate-care facilities are collected by the Division of Health Facilities. A list of facilities by city is updated periodically and is available in photocopied form. Data on the North Dakota State Hospital are available in that institution's Biennial Report. Public health data are compiled on a quarterly basis by the Division of Community Health Nursing and also appear in the Biennial Report of the State Health Department.

Data on licensed medical professionals are available from a variety of sources. A listing of practicing dentists is maintained by the North Dakota State Department of Health, Division of Dental Health. Registers of licensed physicians, pharmacists and chiropractors are available from the associated licensing authorities: The North Dakota Board of Medical Examiners, The North Dakota Board of Pharmacy and the North Dakota Chiropractic Association. Nursing data are available in the "Nursing Report," issued by the University of North Dakota Division of Continuing Education.

A glossary of basic vital statistics terminology follows for those who are not acquainted with the various rates specified within several of the tables which appear in this section. Data related to health insurance and health care costs can be found in section 11.00, Banking, Finance, and Insurance.

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TABLE 2.01

GLOSSARY OF HEALTH AND VITAL STATISTICS TERMS

CRUDE DEATH RATE - The number of deaths reported during a given time interval per 1,000 estimated mid-interval population.

CRUDE BIRTH RATE - The number of live births reported during a given time interval per 1,000 estimated mid-interval population.

SPECIFIC-CAUSE-OF-DEATH RATE - The number of deaths assigned to a specific cause (e.g., accident, pneumonia, etc.) during the given time interval per 1,000 estimated mid-interval population.

MATERNAL MORTALITY RATE - The number of deaths from deliveries and complications of pregnancy, childbirth, and the puerperium, for a given time interval per 10,000 live births during the same period.

TABLE 2.02

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1940-1981

Year	North Dakota		United States	
	Births	Crude Birth Rate	Births	Crude Birth Rate
1940	13,135	20.5	2,559,000	19.4
1945	13,147	25.8	2,858,000	20.4
1950	17,076	27.6	3,632,000	24.1
1955	17,239	27.0	4,097,000	25.0
1960	16,690	26.3	4,258,000	23.7
1965	13,198	20.2	3,760,000	19.4
1970	11,004	17.8	3,731,000	18.4
1971	10,361	16.6	3,556,000	17.2
1972	10,115	16.0	3,258,000	15.6
1973	9,738	15.3	3,137,000	14.9
1974	10,010	15.7	3,160,000	14.9
1975	10,624	16.7	3,144,000	14.8
1976	10,724	16.7	3,168,000	14.8
1977	11,450	17.5	3,327,000	15.4
1978	11,347	17.4	3,333,000	15.3
1979	11,882	NA	3,494,000	15.9
1980	11,995	18.4	3,598,000	16.2
1981	12,406	NA	NA	NA

SOURCE: North Dakota State Dept. of Health, unpublished data from the Division of Statistical Services, and Statistical Abstract of the United States, 1981.

TABLE 2.03

RESIDENT BIRTHS, DEATHS, INFANT DEATHS, MATERNAL DEATHS, AND CRUDE RATES IN NORTH DAKOTA, SELECTED YEARS, 1940-1981

	Births		Deaths		Infant Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1940	13,135	20.5	5,257	8.2	593	45.1	24	18.3
1950	17,076	27.6	5,209	8.4	461	27.0	9	5.3
1955	17,239	--	5,270	--	433	--	6	--
1960	16,690	26.3	5,449	8.6	414	24.8	5	3.0
1965	13,198	--	5,579	--	279	--	3	--
1970	11,004	17.8	5,606	9.1	157	14.3	4	3.6
1971	10,361	--	5,591	--	158	--	1	--
1972	10,115	--	5,651	--	164	--	0	--
1973	9,738	--	5,789	--	160	--	3	--
1974	10,010	--	5,772	--	169	--	1	--
1975	10,624	--	5,482	--	156	--	2	--
1976	10,724	--	5,523	--	149	--	1	--
1977	11,450	--	5,198	--	159	--	2	--
1978	11,347	--	5,484	--	150	--	0	--
1979	11,882	--	5,360	--	141	--	1	--
1980	11,995	18.4	5,596	8.6	145	22.2	0	0
1981	12,406	--	5,445	--	140	--	0	--

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, unpublished data from the Division of Statistical Services and Vital Facts About North Dakota for Twenty Years.

TABLE 2.04

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES BY NORTH DAKOTA COUNTY, 1970 AND 1980

	1970		1980	
County	Births	Crude Birth Rate	Births	Crude Birth Rate
NORTH DAKOTA	11,004	17.8	11,995	18.4
Adams	48	12.5	56	15.6
Barnes	246	16.8	202	14.5
Benson	148	18.0	174	21.9
Billings	19	15.9	24	21.1
Bottineau	148	15.6	150	16.2
Bowman	66	16.9	70	16.6
Burke	62	13.1	61	16.0
Burleigh	791	19.4	1,015	18.5
Cass	1,333	18.1	1,519	17.2
Cavalier	124	15.1	122	16.0
Dickey	96	13.8	135	18.7
Divide	65	14.2	57	16.3
Dunn	72	14.7	95	20.5
Eddy	54	13.2	55	15.5
Emmons	116	16.1	59	10.0
Foster	73	15.1	71	15.4
Golden Valley	40	15.3	58	24.3
Grand Forks	1,430	23.4	1,334	20.2
Grant	71	14.2	70	16.4
Griggs	46	11.0	58	15.6
Hettinger	78	15.4	56	13.1
Kidder	85	19.5	60	15.7
LaMoure	86	12.1	120	18.5
Logan	50	11.8	47	13.5
McHenry	135	15.0	116	14.8
McIntosh	74	13.3	47	9.8
McKenzie	83	13.5	139	19.5
McLean	167	14.8	235	19.0
Mercer	84	13.6	200	21.3
Morton	369	18.2	526	20.9
Mountrail	135	16.0	140	18.2
Nelson	61	10.6	61	11.7
Oliver	29	12.5	47	18.8
Pembina	164	15.3	161	15.5
Pierce	115	18.2	102	16.5

TABLE 2.04--Continued

County	1970		1980	
	Births	Crude Birth Rate	Births	Crude Birth Rate
Ramsey	197	15.3	192	14.7
Ransom	97	13.7	113	16.9
Renville	65	17.0	60	16.6
Richland	237	13.1	319	16.6
Rolette	303	26.2	348	28.6
Sargent	91	15.3	79	14.3
Sheridan	46	14.2	33	11.7
Sioux	96	26.4	122	33.7
Slope	28	18.9	16	13.8
Stark	372	19.0	504	21.3
Steele	47	12.5	37	11.9
Stutsman	347	14.7	399	16.5
Towner	70	15.1	70	17.3
Traill	125	13.1	152	15.8
Walsh	240	14.8	240	15.6
Ward	1,419	24.2	1,281	21.9
Wells	124	15.8	96	13.8
Williams	337	17.5	487	21.9

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

TABLE 2.05

NUMBER OF LIVE BIRTHS IN NORTH DAKOTA BY AGE OF MOTHER, 1970-1981

Age of Mother	1970	1971	1972	1973	1974	1975
Under 15 Years	4	7	6	8	9	7
15-19 Years	1,431	1,455	1,605	1,515	1,512	1,535
20-24 Years	4,363	4,180	3,947	3,756	3,901	4,173
25-29 Years	2,928	2,739	2,737	2,767	2,921	3,239
30-34 Years	1,378	1,205	1,139	1,129	1,118	1,177
35-39 Years	665	572	528	435	227	385
40-44 Years	220	185	143	123	105	103
45 Years & Over	15	18	10	5	11	5
Total	11,004	10,361	10,115	9,738	9,804	10,624

Age of Mother	1976	1977	1978	1979	1980	1981
Under 15 Years	14	12	7	12	7	10
15-19 Years	1,475	1,455	1,306	1,187	1,330	1,249
20-24 Years	4,123	4,392	4,364	4,478	4,463	4,582
25-29 Years	3,469	3,787	3,836	4,006	4,225	4,391
30-34 Years	1,170	1,333	1,384	1,580	1,523	1,748
35-39 Years	375	375	361	391	368	364
40-44 Years	92	93	84	79	76	59
45 Years & Over	6	3	5	6	3	3
Total	10,724	11,450	11,347	11,882	11,995	12,406

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, unpublished data from the Division of Statistical Services, and 1977 "Provisional Reports."

TABLE 2.06

RESIDENT DEATHS AND CRUDE DEATH RATES BY NORTH DAKOTA COUNTY, 1970 AND 1980

County	1970 Deaths	1970 Crude Death Rate	1980 Deaths	1980 Crude Death Rate
NORTH DAKOTA	5,606	9.1	5,596	8.6
Adams	40	10.4	40	11.2
Barnes	169	11.5	163	11.7
Benson	90	10.9	93	11.7
Billings	7	5.8	10	8.8
Bottineau	94	9.9	99	10.7
Bowman	48	12.3	43	10.2
Burke	52	11.0	52	13.6
Burleigh	252	6.2	330	6.0
Cass	536	7.3	598	6.7
Cavalier	113	13.8	104	13.6
Dickey	92	13.2	81	11.2
Divide	68	14.9	50	14.3
Dunn	40	8.2	42	9.1
Eddy	55	13.4	53	14.9
Emmons	57	7.9	49	8.3
Foster	41	8.5	39	8.5
Golden Valley	24	9.2	18	7.5
Grand Forks	417	6.8	368	5.6
Grant	49	9.8	51	11.9
Griggs	62	14.8	58	15.6
Hettinger	48	9.5	40	9.4
Kidder	42	9.6	46	12.0
LaMoure	77	10.8	71	11.0
Logan	40	9.4	32	9.2
McHenry	108	12.0	111	14.1
McIntosh	55	9.9	74	15.4
McKenzie	60	9.8	50	7.0
McLean	134	11.9	109	8.8
Mercer	51	8.3	71	7.5
Morton	179	8.8	189	7.5
Mountrail	91	10.8	98	12.8
Nelson	88	15.2	76	14.5
Oliver	21	9.0	15	6.0
Pembina	140	13.0	125	12.0
Pierce	55	8.7	55	8.9

TABLE 2.06--Continued

County	1970		1980	
	Deaths	Crude Death Rate	Deaths	Crude Death Rate
Ramsey	118	9.1	134	10.3
Ransom	97	13.7	92	13.7
Renville	37	9.7	29	8.0
Richland	201	11.1	208	10.8
Rolette	110	9.5	108	8.9
Sargent	63	10.6	71	12.9
Sheridan	34	10.5	25	8.9
Sioux	35	9.6	37	10.2
Slope	11	7.4	11	9.5
Stark	147	7.5	178	7.5
Steele	45	12.0	29	9.3
Stutsman	228	9.7	234	9.7
Towner	48	10.3	50	12.3
Traill	123	12.9	131	13.6
Walsh	169	10.4	160	10.4
Ward	375	6.4	349	6.0
Wells	91	11.6	81	11.6
Williams	179	9.3	168	7.6

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

TABLE 2.07

RESIDENT DEATHS FROM SELECTED CAUSES, RANK AND SPECIFIC-CAUSE-OF-DEATH RATES IN NORTH DAKOTA, 1970 AND 1981

Cause of Death	1970 Deaths	1970 Specific-cause-of-death-rate	1970 Rank	1981 Deaths	1981 Specific cause-of-death-rate	1981 Rank
Tuberculosis	6	1.0	17	2	0.3	17
Malignant Neoplasms	930	150.5	2	1,078	165.2	2
Diabetes	99	16.0	8	94	14.4	9
Diseases of Heart	2,168	350.9	1	2,077	320.4	1
Cerbrovascular Disease	633	102.4	3	512	78.4	4
Arteriosclerosis	130	21.0	6	115	17.6	8
Other Diseases of Arteries	99	16.0	8	53	8.1	14
Influenza	23	3.7	14	202	30.9	6
Pneumonia	231	37.4	5	NA	NA	NA
Bronchitis, Emphysema, Asthma (Cold)	74	12.0	11	135	20.7	7
Cirrhosis of Liver	65	10.5	12	58	8.9	12
Nephritis, Nephrosis	17	2.8	15	67	10.3	10
Accidents	394	63.8	4	352	53.9	5
Suicide	75	12.1	10	59	9.0	11
Homicide	9	1.5	16	18	2.8	16
Congenital Anomalies	50	8.1	13	50	7.7	15
Diseases of Early Infancy	100	16.2	7	57	8.7	13
Residual (All Other Causes)	503	----	--	513	78.6	3

SOURCE: Compiled from ND State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

TABLE 2.08

RESIDENT DEATHS FROM SELECTED CAUSES BY COUNTY OF RESIDENCE, 1980 AND 1981

County	Tuberculosis		Malignant Neoplasms		Diabetes		Diseases of Heart	
	1980	1981	1980	1981	1980	1981	1980	1981
NORTH DAKOTA	3	2	1,068	1,078	90	94	2,228	2,077
Adams	-	-	4	10	-	1	19	11
Barnes	-	-	36	31	3	-	58	59
Benson	1	-	16	8	3	1	31	29
Billings	-	-	2	-	-	-	2	2
Bottineau	-	-	24	17	-	1	49	42
Bowman	-	-	5	10	1	1	17	17
Burke	-	-	10	5	2	1	25	21
Burleigh	-	-	62	73	7	2	122	97
Cass	1	-	132	132	9	8	236	234
Cavalier	-	-	28	19	1	-	38	29
Dickey	-	1	16	22	-	-	41	35
Divide	-	-	15	8	2	1	14	14
Dunn	-	-	3	6	-	1	19	20
Eddy	-	-	9	12	1	-	26	14
Emmons	-	-	15	15	1	1	11	13
Foster	-	-	3	12	1	3	9	19
Golden Valley	-	-	3	4	-	2	11	6
Grand Forks	-	-	57	77	4	7	169	148
Grant	-	-	11	6	1	1	20	9
Griggs	-	-	6	8	1	2	27	24
Hettinger	-	-	8	8	1	-	14	11
Kidder	-	-	11	9	-	1	18	13
LaMoure	-	-	8	12	-	1	37	34
Logan	-	-	7	3	-	2	17	16
McHenry	-	-	20	24	3	2	48	27
McIntosh	-	-	16	12	1	1	26	24
McKenzie	-	-	7	8	2	3	16	21
McLean	-	-	21	23	-	2	47	53
Mercer	-	-	21	17	1	-	24	14
Morton	-	-	45	42	-	3	74	61
Mountrail	-	-	16	20	3	3	27	24
Nelson	-	-	12	11	1	-	42	46
Oliver	-	-	-	1	1	-	5	4
Pembina	-	-	17	21	-	3	46	38
Pierce	-	-	14	12	2	4	17	17
Ramsey	-	-	22	32	1	-	57	65
Ransom	-	-	13	21	2	1	45	46
Renville	-	-	7	5	-	-	14	11
Richland	-	-	39	26	5	2	79	74
Rolette	-	-	22	16	1	8	35	49
Sargent	-	-	18	4	1	-	24	28
Sheridan	-	-	4	5	-	-	11	11
Sioux	-	-	3	7	1	1	5	14
Slope	-	-	2	-	-	-	4	1
Stark	1	-	21	24	4	3	65	51
Steele	-	-	4	5	1	1	9	11
Stutsman	-	-	50	35	3	1	100	83
Towner	-	-	11	12	1	2	25	22
Traill	-	-	22	21	2	1	51	42
Walsh	-	1	29	29	2	1	58	78
Ward	-	-	72	84	6	10	141	133
Wells	-	-	13	23	2	2	38	38
Williams	-	-	21	31	6	2	65	74

TABLE 2.08--Continued

County	Cerebro-vascular Diseases		Arterio-sclerosis		Other Diseases of Arteries		Influenza & Pneumonia	
	1980	1981	1980	1981	1980	1981	1980	1981
NORTH DAKOTA	531	512	108	115	52	53	191	202
Adams	4	4	-	1	1	-	3	3
Barnes	14	12	5	2	1	1	10	11
Benson	7	7	-	1	1	1	6	4
Billings	1	-	1	-	-	-	-	-
Bottineau	5	11	-	1	-	-	5	10
Bowman	7	9	2	1	1	-	2	1
Burke	5	1	-	-	-	1	-	1
Burleigh	38	37	7	4	5	2	10	9
Cass	63	80	8	13	3	3	21	18
Cavalier	10	8	4	2	2	2	-	4
Dickey	1	6	5	4	1	3	3	1
Divide	3	6	-	-	-	1	1	1
Dunn	5	4	1	2	1	-	2	-
Eddy	6	7	-	-	-	-	1	3
Emmons	3	2	1	8	1	1	5	2
Foster	7	5	4	7	-	-	1	2
Golden Valley	-	2	-	-	1	-	1	1
Grand Forks	28	25	6	3	6	2	10	13
Grant	5	1	1	-	-	1	2	-
Griggs	7	5	1	-	1	-	2	1
Hettinger	3	4	1	-	-	1	1	-
Kidder	3	1	1	-	-	1	-	2
LaMoure	6	2	3	2	1	2	3	1
Logan	3	3	1	-	-	1	2	1
McHenry	8	9	1	-	-	1	1	1
McIntosh	5	5	4	3	1	-	5	4
McKenzie	3	4	1	1	-	1	3	1
McLean	7	13	2	-	2	1	3	3
Mercer	4	2	1	1	1	2	3	6
Morton	20	19	3	4	2	2	4	8
Mountrail	7	11	1	5	-	2	9	6
Nelson	5	5	1	2	-	-	2	4
Oliver	1	-	-	-	-	-		
Pembina	32	18	8	4	1	1	2	2
Pierce	6	3	-	1	-	-	-	3
Ramsey	11	15	2	4	1	-	4	9
Ransom	9	9	2	1	-	-	4	3
Renville	1	3	-	-	1	-	-	-
Richland	22	18	4	2	1	3	7	5
Rolette	6	7	-	1	1	-	4	1
Sargent	8	7	1	2	2	-	1	1
Sheridan	-	2	-	-	-	1	1	-
Sioux	2	1	-	-	-	-	1	1
Slope	-	2	1	-	-	-	-	-
Stark	21	17	2	6	2	2	3	3
Steele	8	6	-	-	-	-	2	3
Stutsman	17	16	5	7	2	3	3	5
Towner	8	2	-	1	-	-	1	-
Traill	17	19	4	5	1	-	14	10
Walsh	27	12	1	2	2	-	6	14
Ward	21	22	7	7	5	5	10	10
Wells	10	9	-	1	-	3	-	1
Williams	11	14	5	4	1	3	7	10

TABLE 2.08--Continued

County	Bronchitis, Emphysema, Asthma (cold)		Cirrhosis of Liver		Nephritis, Nephresis		Accidents	
	1980	1981	1980	1981	1980	1981	1980	1981
NORTH DAKOTA	152	135	86	58	60	67	348	352
Adams	-	3	1	-	1	-	3	2
Barnes	5	3	3	-	1	5	9	6
Benson	2	3	-	1	1	1	9	11
Billings	-	-	-	-	-	-	3	1
Bottineau	2	2	-	2	-	1	3	5
Bowman	1	1	-	-	-	1	6	4
Burke	1	-	-	1	-	-	5	-
Burleigh	8	6	5	3	-	-	24	21
Cass	17	12	12	7	2	5	27	28
Cavalier	3	3	1	1	4	1	5	9
Dickey	3	2	-	-	-	-	3	4
Divide	1	2	1	-	2	1	1	4
Dunn	-	-	1	-	-	-	4	3
Eddy	1	3	-	-	1	1	2	-
Emmons	3	2	-	1	1	2	2	2
Foster	1	1	-	-	2	4	2	4
Golden Valley	-	1	-	-	-	-	1	-
Grand Forks	13	10	8	6	3	5	23	31
Grant	-	2	-	-	2	-	3	1
Griggs	-	-	1	-	1	2	5	3
Hettinger	-	2	1	-	1	1	5	3
Kidder	1	1	1	-	2	1	1	2
LaMoure	1	3	-	-	-	1	5	2
Logan	-	-	1	1	-	-	1	2
McHenry	4	1	3	1	2	-	11	1
McIntosh	3	-	1	-	3	-	2	2
McKenzie	3	2	2	2	1	-	6	6
McLean	3	4	1	-	2	-	10	10
Mercer	1	1	1	3	-	-	3	9
Morton	3	4	2	3	5	1	8	7
Mountrail	4	3	1	3	2	1	8	6
Nelson	4	4	1	1	2	-	-	7
Oliver	1	2	-	1	-	1	4	2
Pembina	3	4	1	-	1	2	4	7
Pierce	1	1	1	-	-	2	4	4
Ramsey	8	5	2	1	1	-	8	3
Ransom	-	1	-	-	1	2	4	6
Renville	1	-	-	-	-	1	1	2
Richland	7	3	4	1	2	3	15	5
Rolette	5	4	4	1	3	1	6	13
Sargent	2	2	-	-	-	3	9	1
Sheridan	-	1	-	-	-	-	3	4
Sioux	-	-	9	3	-	-	3	6
Slope	-	-	-	1	-	-	1	-
Stark	10	5	2	2	-	2	15	18
Steele	-	1	-	1	-	2	1	2
Stutsman	7	6	-	2	2	3	17	12
Towner	1	1	-	1	-	-	1	-
Traill	4	-	-	1	3	1	1	7
Walsh	2	2	1	2	1	4	3	9
Ward	7	12	6	3	2	1	18	23
Wells	1	1	-	-	3	2	5	5
Williams	4	3	-	2	-	3	25	27

TABLE 2.08--Continued

County	Suicide		Homicide		Congenital Anomalies		Diseases of Early Infancy	
	1980	1981	1980	1981	1980	1981	1980	1981
NORTH DAKOTA	73	59	13	18	45	50	62	57
Adams	-	-	-	-	-	-	1	1
Barnes	2	2	-	1	-	2	2	-
Benson	-	3	-	-	1	1	2	2
Billings	-	-	-	-	1	-	-	1
Bottineau	1	-	-	-	-	-	1	-
Bowman	-	-	-	-	-	-	-	1
Burke	-	-	-	-	-	-	1	-
Burleigh	9	6	1	-	4	5	8	6
Cass	11	9	1	2	5	11	7	8
Cavalier	2	-	-	-	-	-	1	-
Dickey	1	3	-	-	-	-	-	-
Divide	-	-	-	-	-	1	1	-
Dunn	-	1	-	-	-	-	1	-
Eddy	1	-	-	-	-	1	-	1
Emmons	2	-	-	-	-	2	-	-
Foster	1		-	-	1	-	1	-
Golden Valley	-	-	-	-	-	-	-	-
Grand Forks	2	2	-	3	2	6	6	8
Grant	1	-	-	-	1	-	-	-
Griggs	-	-	-	-	-	-	-	-
Hettinger	1	-	-	-	-	-	1	-
Kidder	-	-	-	-	1	-		-
LaMoure	-	-	-	-	1	-	-	3
Logan	-	-	-	-	-	-	-	1
McHenry	-	1	-	-	1	-	-	-
McIntosh	-	-	-	1	1	-	-	-
McKenzie	2	1	-	-	-	-	-	1
McLean	-	-	-	2	1	1	3	3
Mercer	1	1	-	-	4	1	1	1
Morton	2	1	-	-	1	3	4	4
Mountrail	2	-	1	-	1	-	-	1
Nelson	1	1	-	1	-	1	-	-
Oliver	2	-	-	-	1	-	-	-
Pembina	1	-	-	-	-	1	-	-
Pierce	1	1	-	-	-	1	1	-
Ramsey	-	3	-	2	-	-	1	1
Ransom	1	2	-	-	-	1	1	1
Renville	-	1	-	-	-	-	1	-
Richland	2	1	1	-	2	1	1	-
Rolette	3	2	5	1	-	3	1	1
Sargent	2	-	-	-	-	-	1	-
Sheridan	1	-	1	-	-	-	-	-
Sioux	1	1	1	1	-	2	1	-
Slope	-	-	-	-	-	-	-	-
Stark	2	6	-	3	2	2	2	2
Steele	1	-	-		-	-	-	-
Stutsman	3	1	-	-	2	-	-	-
Towner	1	-	-	-	-	1	-	-
Traill	1	1	-	-	-	-	-	-
Walsh	2	1	-	-	4	-	1	-
Ward	5	4	-	-	5	2	2	6
Wells	1	-	1	-	-	-	-	1
Williams	1	4	1	1	3	2	8	1

TABLE 2.08--Continued

County	Other Causes		County	Other Causes	
	1980	1981		1980	1981
NORTH DAKOTA	502	528			
Adams	3	5	Mercer	5	7
Barnes	14	21	Morton	16	23
Benson	13	4	Mountrail	16	14
Billings	-	-	Nelson	5	8
Bottineau	9	9	Oliver	-	2
Bowman	1	6	Pembina	9	9
Burke	3	7	Pierce	7	3
Burleigh	20	27	Ramsey	16	15
Cass	43	55	Ransom	10	9
Cavalier	4	3	Renville	3	1
Dickey	7	4	Richland	17	10
Divide	9	5	Rolette	12	9
Dunn	5	2	Sargent	2	7
Eddy	5	2	Sheridan	4	3
Emmons	3	5	Sioux	10	6
Foster	6	4	Slope	3	-
Golden Valley	1	2	Stark	26	15
Grand Forks	31	35	Steele	3	5
Grant	4	-	Stutsman	23	19
Griggs	4	4	Towner	1	1
Hettinger	3	3	Traill	10	8
Kidder	7	1	Walsh	21	25
LaMoure	6	4	Ward	42	50
Logan	-	4	Wells	7	8
McHenry	9	5	Williams	10	14
McIntosh	6	8			
McKenzie	4	4			
McLean	7	13			

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.09

RESIDENT INFANT DEATHS BY NORTH DAKOTA COUNTY, 1970, 1980 AND 1981

County	Infant Deaths			County	Infant Deaths		
	1970	1980	1981		1970	1980	1981
NORTH DAKOTA	157	145	140				
Adams	--	1	1	Mountrail	2	4	3
Barnes	6	2	3	Nelson	--	--	1
Benson	2	4	3	Oliver	1	2	--
Billings	--	1	1	Pembina	4	1	--
Bottineau	4	1	--	Pierce	--	1	1
Bowman	--	--	1	Ramsey	1	2	6
Burke	--	1	1	Ransom	1	2	4
Burleigh	11	13	16	Renville	--	1	--
Cass	15	14	23	Richland	7	7	1
Cavalier	1	2	1	Rolette	6	3	5
Dickey	--	1	--	Sargent	1	1	--
Divide	1	1	2	Sheridan	--	-	--
Dunn	4	1	--	Sioux	1	1	2
Eddy	1	--	1	Slope	1	1	--
Emmons	2	--	1	Stark	6	4	5
Foster	2	3	1	Steele	2	1	--
Golden Valley	--	--	--	Stutsman	5	4	2
Grand Forks	15	13	17	Towner	1	--	--
Grant	--	1	--	Traill	1	1	--
Griggs	--	--	--	Walsh	4	2	2
Hettinger	--	1	--	Ward	15	10	9
Kidder	1	2	--	Wells	2	1	1
LaMoure	2	1	3	Williams	8	12	5
Logan	1	--	1				
McHenry	1	1	--				
McIntosh	4	1	--				
McKenzie	--	1	2				
McLean	2	6	5				
Mercer	5	6	2				
Morton	8	6	8				

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Community Health Section, Division of Disease Control.

TABLE 2.10

FATALITIES OCCURRING IN NORTH DAKOTA BY TYPE OF ACCIDENT, 1970, 1980 AND 1981

Type of Accident	1970	1980	1981
Work Total	39	27	13
Agriculture	20	16	3
Mining, Quarry, Oil-Gas Wells	2	2	5
Construction	7	4	1
Manufacturing	1	--	1
Transportation & Public Utilities	--	2	1
Trade	2	3	1
Service	5	--	1
Government	1	--	--
Other & Unspecified Industry	1	--	--
Home Total	81	65	63
Poisonings (gas excepted)	2	4	4
Poisonings by Gas & Vapors	6	5	8
Falls	33	29	19
Fires	15	6	12
Drowning	--	--	2
Suffocation, Ingested Food, Object	4	5	2
Suffocation, Mechanical	3	1	1
Firearms	4	4	4
Other & Unspecified Home Accidents	14	11	11
Motor-Vehicle Total	201	185	195
Injury to Pedistrian	23	18	22
Injury to Pedal Cyclist	2	3	1
Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle	1	--	--
Collision with Railroad Train	6	6	3
Collision with Other Motor Vehicle	89	55	77
Collision with Fixed Object	21	26	36
Noncollision	57	67	48
Other & Unspecified Accidents	2	10	8
Public Non-Motor-Vehicle Total	85	78	87
Railroad--Not with Motor Vehicle	7	3	1
Other Vehicle--Not with Motor Vehicle	2	4	3
Water Transport	4	5	4
Air Transport	3	3	14
Falls	29	24	31
Fires	1	--	2
Drowning	15	7	14
Firearms	6	1	1
Other & Unspecified Public Accidents	18	31	17
Accident Type Unknown & Late Effects	5	3	8
TOTAL	411	358	366

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from Community Health Section, Division of Disease Control.

TABLE 2.11

COMMUNICABLE DISEASES REPORTED IN NORTH DAKOTA, SELECTED YEARS, 1970-1981

Disease	1970	1975	1979	1980	1981
Anthrax	--	--	--	--	--
Ascariasis	--	--	27	21	34
Brucellosis	1	--	--	--	--
Chickenpox	616	304	435	731	1,166
Conjunctivities	1,016	662	323	505	691
Diptheria	--	6	--	--	--
Encephalitis	5	54	--	--	1
Erysipelas	16	2	NR	NR	--
Fifth Disease	--	--	--	--	--
Gonorrhea	533	1,015	929	767	685
Histoplasmosis	--	1	--	--	--
Impetigo	437	416	170	150	175
Infectuious Hepatitis	79	155	45	57	14
Serum Hepatitis	--	6	--	--	--
Infectious Mono.	--	161	11	6	5
Influenza & Inf.-Like	4,142	6,326	3,134	4,576	11,131
Legionnaires' Disease	--	--	12	16	7
Malaria	5	1	7	--	1
Measles	307	1,060	21	--	--
Meningitis	6	--	1	3	3
Aseptic Meningitis	3	4	4	1	6
Mumps	314	528	2	4	--
Pneumonia	4,018	3,090	NR	NR	NR
Rabies in Animals	57	99	97	255	359
Rheumatic Fever	40	44	21	2	1
Ringworm	36	20	--	9	8
Rocky Mt. Spotted Fever	--	--	--	--	--
Rubella	138	64	9	6	--
Salmonellosis	25	48	83	87	107
Scabies	13	25	NR	NR	NR
Shigellosis	25	14	NR	NR	NR
Streptococcal Inf.	4,668	3,782	6,049	4,463	3,546
Syphillis	34	35	6	13	19
Tetanus	--	--	1	--	--
Tuberculosis	35	26	22	54	31
Tularemia	1	--	--	--	--
Typhoid Fever	2	--	--	1	--
Whooping Cough	6	1	0	7	1

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

NR Not Reportable. Removed from list of Communicable Diseases.

TABLE 2.12

IMMUNIZATION STATUS OF SCHOOL CHILDREN IN NORTH DAKOTA, 1975-1981

Vaccine	Percent Protected						
	1975	1976	1977	1978	1979	1980	1981
DPT	83%	89%	90%	94%	98%	99%	98%
Polio	72	81	86	91	98	99	98
Measles	93	94	95	96	98	99	98
Rubella	86	93	94	95	98	99	98
Mumps	75	88	91	97	98	99	98

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.13

IMMUNIZATION STATUS OF PRESCHOOL CHILDREN IN NORTH DAKOTA, 1975-1980

Vaccine	Percent Protected					
	1975	1976	1977	1978	1979	1980
DPT	92%	92%	95%	96%	70%	98%
Polio	88	92	96	95	70	98
Measles	88	91	94	94	68	95
Rubella	84	91	94	94	68	95
Mumps	75	89	92	92	68	95

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.14

GENERAL HOSPITALS,* NURSING HOMES, AND INTERMEDIATE CARE FACILITIES BY NORTH DAKOTA COUNTY, JANUARY 1982

County	General Hospitals		Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
NORTH DAKOTA	52	3,652	57	4,240	40	2,392
Adams	1	46	1	88	-	--
Barnes	1	75	1	78	1	80
Benson	-	--	-	--	-	--
Billings	-	--	-	--	-	--
Bottineau	1	41	2	85	1	71
Bowman	1	40	1	42	-	--
Burke	-	--	-	--	-	--
Burleigh	2	453	3	258	1	120
Cass	3	772	5	507	2	192
Cavalier	1	38	1	63	1	41
Dickey	2	57	1	85	1	142
Divide	1	28	-	--	1	81
Dunn	-	--	-	--	-	--
Eddy	1	26	1	58	1	28
Emmons	1	27	1	80	-	--
Foster	1	26	2	98	-	--
Golden Valley	1	27	-	--	-	--
Grand Forks	2	332	2	226	3	192
Grant	1	25	1	25	-	--
Griggs	1	24	1	50	-	--
Hettinger	-	--	-	--	1	60
Kidder	-	--	-	--	1	42
LaMoure	-	--	-	--	1	60
Logan	-	--	-	--	1	44
McHenry	-	--	-	--	-	--
McIntosh	2	57	1	95	1	30
McKenzie	1	26	1	47	-	--
McLean	2	70	1	71	2	84
Mercer	-	--	2	114	1	20
Morton	2	102	2	158	2	88

TABLE 2.14--Continued

County	General Hospitals		Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
Mountrail	1	28	2	108	1	16
Nelson	1	19	1	52	2	109
Oliver	-	--	-	--	-	--
Pembina	1	53	2	120	-	--
Pierce	1	51	1	74	1	30
Ramsey	1	110	1	104	1	80
Ransom	1	25	1	45	2	102
Renville	1	30	-	--	1	59
Richland	1	31	2	133	1	91
Rolette	2	110	2	66	1	22
Sargent	-	--	-	--	1	62
Sheridan	-	--	-	--	-	--
Sioux	-	--	-	--	-	--
Slope	-	--	-	--	-	--
Stark	2	135	2	193	1	75
Steele	-	--	-	--	-	--
Stutsman	1	127	2	216	1	26
Towner	1	36	1	74	-	--
Traill	2	71	3	179	1	30
Walsh	2	80	1	118	1	79
Ward	3	264	3	326	1	121
Wells	1	51	1	56	1	60
Williams	2	139	2	148	1	55

SOURCE: Compiled from data supplied by North Dakota State Dept. of Health, Division of Health Facilities.

* Excludes State Hospitals (located in Grand Forks, Rolette, Stutsman and Walsh Counties) and Federal Hospitals (located in Cass, Grand Forks, Rolette, Sioux and Ward Counties).

TABLE 2.15

NORTH DAKOTA HOSPITAL STATISTICS BY SIZE OF HOSPITAL, 1981

Classification	Hospitals	Beds	Admissions	Inpatient Days	Occupancy %
NORTH DAKOTA	59	5,959	153,678	1,514,938	69.6%
6 - 24 beds	3	64	1,728	9,262	40.6
25 - 49	27	861	30,112	149,363	47.4
50 - 99	12	696	15,297	176,201	69.4
100 - 199	9	1,291	42,460	317,992	67.4
200 - 299	5	1,247	37,398	363,234	79.8
300 - 399	0	0	0	0	00.0
400 - 499	1	442	15,805	136,477	84.6
500 or more	2	1,358	10,878	362,409	73.1

Classification	Average Dail, Census	Surgical Operations	Outpatient Visits		
			Emergency	Other	Total
NORTH DAKOTA	4,149	69,665	188,696	491,291	679,987
6 - 24 beds	26	358	2,314	1,461	3,775
25 - 49	408	6,941	66,414	297,134	363,548
50 - 99	483	2,907	20,389	55,528	76,917
100 - 199	870	22,712	43,185	61,833	105,018
200 - 299	995	21,851	36,715	65,093	101,808
300 - 399	0	0	0	0	0
400 - 499	374	10,105	14,395	0	14,395
500 or more	993	4,791	5,284	9,242	14,526

SOURCE: American Hospital Association, Hospital Statistics, 1982 Edition.

TABLE 2.16

SELECTED LICENSED MEDICAL PROFESSIONALS BY NORTH DAKOTA COUNTY, 1982

County	Medical Profession					
	Physician	Dentist	Pharmacist	Chiropractor	Registered Nurse*	Licensed Practical Nurse*
NORTH DAKOTA	866	314	550	88	4,749	2,359
Adams	9	--	6	--	41	13
Barnes	11	6	14	4	80	43
Benson	1	2	2	--	16	16
Billings	--	--	--	--	2	1
Bottineau	4	4	6	1	63	20
Bowman	3	3	4	1	28	10
Burke	--	--	2	--	13	12
Burleigh	144	33	47	15	723	230
Cass	275	66	173	11	1,068	470
Cavalier	2	3	3	2	35	17
Dickey	3	4	5	1	43	18
Divide	2	2	3	--	26	8
Dunn	1	--	1	--	10	5
Eddy	2	2	4	--	23	10
Emmons	2	2	2	--	23	9
Foster	3	1	5	1	18	17
Golden Valley	2	1	1	--	17	7
Grand Forks	157	30	35	6	509	232
Grant	1	1	3	--	19	12
Griggs	1	1	2	--	17	12
Hettinger	--	1	3	--	13	13
Kidder	--	--	1	--	14	2
LaMoure	--	2	1	2	20	10
Logan	--	1	2	--	11	8
McHenry	3	1	5	--	27	18
McIntosh	3	2	5	1	23	19
McKenzie	2	2	4	1	26	9
McLean	6	5	6	1	63	37
Mercer	4	3	5	2	32	12
Morton	9	1	14	4	158	59

TABLE 2.16--Continued

County	Medical Profession					
	Physician	Dentist	Pharmacist	Chiropractor	Registered Nurse*	Licensed Practical Nurse*
Mountrail	4	4	10	1	35	21
Nelson	2	4	2	--	25	17
Oliver	--	1	1	--	3	3
Pembina	6	3	7	--	41	39
Pierce	11	4	7	1	36	46
Ramsey	15	8	12	4	89	91
Ransom	3	2	5	1	29	18
Renville	1	3	3	--	20	8
Richland	11	14	9	5	68	61
Rolette	5	2	8	--	47	59
Sargent	1	--	2	--	8	17
Sheridan	--	1	1	--	9	2
Sioux	--	--	--	--	5	4
Slope	--	--	--	--	6	1
Stark	24	12	15	5	175	88
Steele	--	1	--	--	15	8
Stutsman	21	15	18	5	185	100
Towner	2	1	3	--	23	18
Traill	6	4	9	--	63	29
Walsh	8	5	12	2	82	59
Ward	80	30	38	6	453	172
Wells	4	4	5	2	33	28
Williams	23	17	19	3	138	121

SOURCE: North Dakota Board of Medical Examiners; North Dakota State Dept. of Health, Division of Dental Health; North Dakota State Board of Pharmacy; North Dakota Chiropractic Association; and University of North Dakota Division of Continuing Education.

* Does not include nurses employed in other fields or not employed.

TABLE 2.17

STATISTICS OF THE NORTH DAKOTA STATE HOSPITAL, SELECTED BIENNIA, 1885-1981

Biennium	Census	Employees	Admissions Per Biennium	Discharges Per Biennium	Per Diem*
6 30 1885	58	---	---	---	$ ---
6 30 1886	106	---	1118	46	.54
6 30 1890	221	54	186	121	.80
6 30 1900	383	55	279	226	.42
6 30 1910	653	90	458	354	.50
6 30 1920	1,288	197	516	419	.72
6 30 1930	1,507	195	587	378	.94
6 30 1940	1,928	279	947	838	.74
6 30 1950	2,118	299	994	890	1.36
6 30 1952	2,096	324	1,043	1,065	1.57
6 30 1954	2,068	461	1,139	1,167	2.34
6 30 1956	1,993	518	1,681	1,756	2.91
6 30 1958	1,814	529	2,212	2,312	3.49
6 30 1960	1,695	530	2,734	2,853	5.36
6 30 1962	1,738	578	3,002	2,959	5.87
6 30 1964	1,520	627	2,794	3,012	6.87
6 30 1966	1,424	658	2,785	2,881	7.53
6 30 1968	1,208	643	2,829	3,045	12.09
6 30 1970	906	720	3,400	3,702	15.55
6 30 1972	674	766	3,768	4,000	23.23
6 30 1973**	595	714	1,975	2,054	26.72
6 30 1975	571	751	4,636	4,672	34.35
6 30 1977	597	779	4,723	4,697	40.68
6 30 1979	604	739	4,750	4,743	47.46
6 30 1981	549	762	5,208	5,263	66.70

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

* Depreciation not included prior to 1960.

** For one year only.

TABLE 2.18

TOTAL PATIENTS SEEN AND COMMUNITY HEALTH NURSING VISITS MADE IN NORTH DAKOTA BY CLASSIFICATION, FISCAL YEARS, 1979-1981

Classification	1979-1980		1980-1981	
	Patients	Visits	Patients	Visits
Communicable Disease Control	4,398	6,767	3,316	6,261
Tuberculosis	590	1,537	497	1,485
Crippled Childrens Services	71	164	28	95
Maternity	4,927	12,242	4,857	11,165
Infant and Preschool	1,729	4,284	2,158	4,724
Mental Health	445	1,589	420	1,581
Morbidity	3,955	32,184	4,258	35,646
Health Maintenance	3,460	10,688	3,842	13,063
School Health	535	1,391	453	980
TOTAL	20,110	70,846	19,829	75,000
Average Visits Per Patient	3.5		3.8	

SOURCE: North Dakota State Dept. of Health, Division of Community Health Nursing, Nurses Monthly Activity Reports.

TABLE 2.19

MARRIAGES AND DIVORCES IN NORTH DAKOTA: NUMBER AND RATE PER 1,000 POPULATION, SELECTED YEARS, 1955-1981

Year	Number of Marriages	Marriages Per 1,000 Population	Number of Divorces	Divorces Per 1,000 Population
1955	4,241	6.90	543	0.88
1960	4,041	6.39	596	0.94
1965	4,939	7.59	720	1.11
1970	5,340	8.64	971	1.57
1971	5,648	8.99	1,172	1.87
1972	5,866	9.25	1,289	2.03
1973	5,874	9.25	1,409	2.22
1974	5,905	9.27	1,578	2.48
1975	5,993	9.41	1,706	2.68
1976	5,649	8.76	1,852	2.87
1977	5,668	8.68	1,944	2.98
1978	5,651	NA	2,065	NA
1979	6,021	NA	2,085	NA
1980	6,094	9.34	2,134	3.27
1981	6,204	NA	2,310	NA

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, unpublished data from the Division of Statistical Services, 1977 "Provisional Reports," and U.S. Dept. of Commerce, Current Population Reports.

TABLE 2.20

NORTH DAKOTA MARRIAGES BY AGE OF BRIDE AND AGE OF GROOM, 1979-1981

Groom	Age of Bride							
	Under 20	20-24	25-29	30-39	40-49	50-59	60-69	70 & Over
					1979			
Under 20	405	102	4	0	0	0	0	0
20-24	970	1,179	137	15	0	0	0	0
25-29	120	798	452	81	3	0	0	0
30-39	25	186	248	228	28	3	1	0
40-49	3	11	27	78	74	15	0	0
50-59	0	1	4	13	48	40	14	1
60-69	0	0	0	1	5	22	30	5
70 and over	0	1	0	1	1	5	18	17
					1980			
Under 20	383	112	4	1	0	0	0	0
20-24	938	1,775	177	20	0	0	0	0
25-29	135	168	443	82	0	0	0	0
30-39	24	190	279	240	23	0	0	0
40-49	3	13	27	90	60	7	0	0
50-59	0	2	6	26	62	39	11	1
60-69	0	0	1	2	4	28	32	9
70 and over	0	0	0	0	2	3	16	15
					1981			
Under 20	354	97	8	1	0	0	0	0
20-24	936	1,704	174	25	1	0	0	0
25-29	142	823	463	105	5	0	0	0
30-39	18	214	334	278	26	1	0	0
40-49	3	14	34	110	78	9	0	0
50-59	0	2	3	21	42	40	8	1
60-69	0	0	0	0	8	28	29	5
70 and over	0	0	1	2	3	9	21	24

SOURCE: North Dakota State Dept. of Health, unpublished data from the Division of Statistical Services.

TABLE 2.21

MARRIAGES AND DIVORCES BY NORTH DAKOTA COUNTY WHERE LICENSE GRANTED AND DECREE FILED, SELECTED YEARS, 1970-1981

	Marriages							
County	1970	1975	1976	1977	1978	1979	1980	1981
NORTH DAKOTA	5,340	5,993	5,649	5,668	5,651	6,021	6,094	6,204
Adams	43	36	23	30	31	33	39	42
Barnes	137	140	153	130	154	149	131	128
Benson	62	60	50	61	56	53	73	58
Billings	8	8	3	7	5	5	9	15
Bottineau	78	71	86	66	70	63	83	77
Bowman	39	39	38	39	39	37	38	36
Burke	23	39	28	23	27	29	37	27
Burleigh	408	558	548	560	553	609	602	574
Cass	681	755	753	754	787	829	814	827
Cavalier	64	99	84	58	65	50	50	66
Dickey	59	45	55	63	56	49	52	53
Divide	38	40	37	34	36	31	21	31
Dunn	40	34	30	22	22	32	33	34
Eddy	29	28	38	48	29	31	31	20
Emmons	48	40	44	32	44	36	35	39
Foster	43	41	44	49	32	54	53	45
Golden Valley	27	23	27	22	18	26	19	21
Grand Forks	542	597	577	584	624	637	681	675
Grant	39	35	26	26	21	27	24	24
Griggs	45	45	29	32	27	30	29	35
Hettinger	28	34	29	32	33	37	26	31
Kidder	24	37	33	28	27	25	30	20
LaMoure	60	52	49	45	40	45	37	39
Logan	33	20	19	32	13	21	21	17
McHenry	52	56	41	50	50	59	40	47
McIntosh	22	34	22	29	34	27	32	33
McKenzie	48	44	45	46	30	52	57	74
McLean	88	101	82	91	96	90	99	87
Mercer	48	49	54	56	70	84	86	88
Morton	186	218	209	214	240	233	210	229
Mountrail	87	77	81	69	68	96	68	82
Nelson	35	41	40	39	27	31	33	27
Oliver	17	11	14	13	17	14	11	14
Pembina	106	99	83	75	61	74	79	88
Pierce	68	56	51	55	51	54	50	47

TABLE 2.21--Continued

County	Marriages							
	1970	1975	1976	1977	1978	1979	1980	1981
Ramsey	112	138	139	131	130	124	133	120
Ransom	45	53	48	52	44	55	45	47
Renville	36	23	28	22	31	33	21	36
Richland	123	165	141	152	126	138	144	145
Rolette	93	121	102	84	87	116	107	93
Sargent	47	41	38	40	35	35	36	26
Sheridan	25	21	27	26	22	23	12	18
Sioux	24	27	35	30	25	36	41	45
Slope	9	7	9	10	5	7	5	4
Stark	202	220	210	232	229	241	293	335
Steele	24	23	29	23	24	26	15	15
Stutsman	231	213	194	219	223	233	237	205
Towner	33	39	28	40	35	25	29	27
Traill	66	66	49	74	58	64	70	65
Walsh	130	150	111	118	103	113	124	111
Ward	532	761	678	655	666	713	747	754
Wells	61	61	61	56	50	66	47	55
Williams	192	202	197	190	205	221	255	353
	Divorces							
NORTH DAKOTA	971	1,706	1,852	1,944	2,065	2,085	2,134	2,310
Adams	5	9	12	7	11	10	7	14
Barnes	23	56	37	40	38	38	47	27
Benson	4	8	8	8	9	9	10	9
Billings	1	1	1	1	--	2	--	3
Bottineau	8	11	17	9	21	18	21	16
Bowman	3	4	8	4	7	10	6	16
Burke	7	6	7	5	5	8	3	4
Burleigh	74	175	174	215	206	215	246	256
Cass	167	293	351	321	372	375	349	369
Cavalier	2	15	21	15	20	7	11	9
Dickey	10	7	4	15	13	15	12	15
Divide	2	13	16	14	16	6	3	15
Dunn	3	--	5	3	2	6	8	8
Eddy	4	8	7	6	6	5	5	2
Emmons	3	3	6	2	--	2	5	8
Foster	10	15	20	24	12	20	8	7
Golden Valley	1	1	5	5	3	5	2	10
Grand Forks	98	250	259	281	325	298	329	306
Grant	1	--	1	5	2	3	1	3
Griggs	3	5	5	3	2	5	8	9

TABLE 2.21--Continued

County	Divorces							
	1970	1975	1976	1977	1978	1979	1980	1981
Hettinger	--	--	2	1	3	1	2	7
Kidder	10	5	5	7	10	11	6	6
LaMoure	7	8	3	6	9	2	6	6
Logan	4	1	--	1	2	3	3	--
McHenry	6	4	19	14	9	15	8	4
McIntosh	4	6	3	5	5	6	5	5
McKenzie	8	10	19	18	10	21	16	18
McLean	20	12	20	24	36	29	28	23
Mercer	4	11	12	11	13	16	19	25
Morton	23	45	58	64	67	55	53	87
Mountrail	18	18	17	21	12	19	22	18
Nelson	5	6	7	3	5	2	14	11
Oliver	--	1	1	--	1	1	6	4
Pembina	10	21	22	12	22	21	24	27
Pierce	11	21	7	12	19	15	20	11
Ramsey	26	53	53	55	53	47	41	34
Ransom	4	9	11	18	29	26	15	15
Renville	2	--	1	1	8	6	3	6
Richland	16	25	32	50	32	40	41	44
Rolette	11	18	24	17	11	10	10	5
Sargent	7	7	15	9	5	10	5	6
Sheridan	1	6	4	3	4	--	3	2
Sioux	4	1	2	--	--	1	1	1
Slope	1	2	--	--	2	--	--	1
Stark	26	47	51	46	78	75	85	98
Steele	5	3	1	2	1	--	4	1
Stutsman	58	81	81	91	92	120	134	125
Towner	3	2	8	8	6	2	4	6
Traill	53	45	43	35	38	32	22	20
Walsh	20	23	25	29	30	41	28	44
Ward	126	266	261	318	295	300	329	386
Wells	2	7	7	10	1	13	5	6
Williams	47	62	74	70	87	88	91	152

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services and 1977 "Provisional Reports."

3.00

GEOGRAPHY AND CLIMATE

Selected elements of North Dakota's geography and climate are documented in this section. Maps on the following pages depict the state's basic topographical features and its weather patterns. These are followed by data on land and water areas of North Dakota and its counties, elevations of selected sites, and climate information such as temperature, precipitation, and length of growing season for selected locations throughout the state.

The primary source of data on land and water area is special reports prepared by the U.S. Bureau of the Census. Specialized data on drainage areas and stream flow rates have been provided by the North Dakota Water Commission. Climatological data, based on long-term averages, are taken from data supplied to the North Dakota Crop and Livestock Reporting Service by the U.S. Environmental Data Service and published in North Dakota Agricultural Statistics. Additional climatological data comes from various special Weather Bureau reports. Several historical series have been provided by W. A. Dando of the University of North Dakota's Department of Geography.

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TABLE 3.01--Continued

	Rank	Total Area Sq. Mi.	Total Area Sq. Km.	Land Area[1] Sq. Mi.	Land Area[1] Sq. Km.	Water Area[2] Sq. Mi.	Water Area[2] Sq. Km.
Pacific		921,392	2,386,406	896,253	2,321,295	25,140	65,112
Washington	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	10	97,073	251,419	96,184	249,117	889	2,302
California	3	158,706	411,049	156,299	404,814	2,407	6,234
Alaska	1	591,004	1,530,700	570,833	1,478,457	20,171	52,243
Hawaii	47	6,471	16,759	6,425	16,641	46	118

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1981.

[1] Dry land and land temporarily or partially covered by water, as marshland, swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

[2] Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands having less than 40 acres of area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water.

TABLE 3.02

LAND AREA OF NORTH DAKOTA COUNTIES

County	Land Area (Square Miles)	Rank	County	Land Area (Square Miles)	Rank
NORTH DAKOTA	69,280.0	--			
Adams	989.2	42	Mountrail	1,819.1	9
Barnes	1,479.1	16	Nelson	995.2	40
Benson	1,402.7	19	Oliver	720.8	49
Billings	1,139.0	29	Pembina	1,124.0	33
Bottineau	1,677.2	11	Pierce	1,037.9	37
Bowman	1,169.9	27	Ramsey	1,248.3	25
Burke	1,118.7	32	Ransom	861.1	46
Burleigh	1,625.3	13	Renville	886.3	45
Cass	1,748.9	10	Richland	1,449.1	17
Cavalier	1,511.7	14	Rolette	912.5	49
Dickey	1,143.2	28	Sargent	852.9	48
Divide	1,299.7	22	Sheridan	988.6	43
Dunn	1,992.2	6	Sioux	1,102.8	34
Eddy	635.0	53	Slope	1,224.7	26
Emmons	1,503.1	15	Stark	1,316.1	21
Foster	645.4	52	Steele	710.2	50
Golden Valley	1,014.0	38	Stutsman	2,264.3	2
Grand Forks	1,438.0	18	Towner	1,042.9	35
Grant	1,665.8	12	Traill	861.0	47
Griggs	709.9	51	Walsh	1,285.9	24
Hettinger	1,134.4	31	Ward	2,044.0	5
Kidder	1,357.6	20	Wells	1,298.9	23
LaMoure	1,135.9	30	Williams	2,064.2	4
Logan	1,000.5	39			
McHenry	1,879.3	8			
McIntosh	991.7	41			
McKenzie	2,735.0	1			
McLean	2,065.0	3			
Mercer	1,041.5	36			
Morton	1,920.2	7			

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, _Area Measurement Reports_, May 1970.

TABLE 3.03

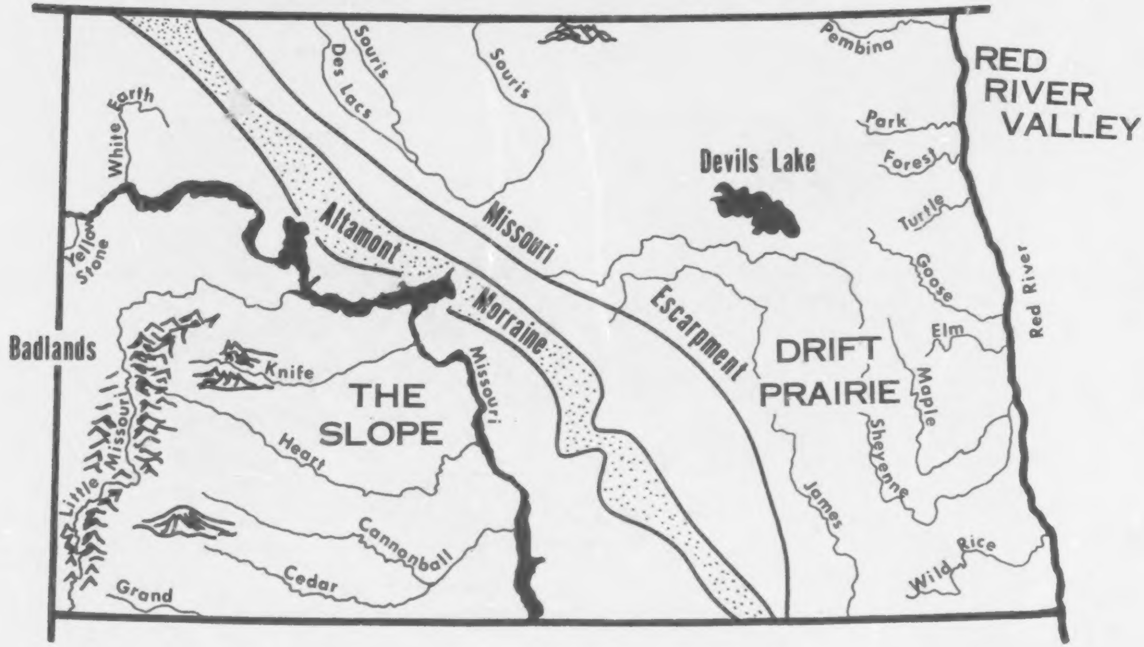
NORTH DAKOTA INLAND WATER AREA* BY COUNTY, 1960

County	Sq. Miles	County	Sq. Miles
Adams	0.8	Mountrail	104.9
Barnes	15.9	Nelson	17.8
Benson	26.3	Oliver	8.2
Billings	0.0	Pembina	0.0
Bottineau	29.8	Pierce	45.1
Bowman	0.1	Ramsey	60.7
Burke	10.3	Ransom	1.9
Burleigh	49.7	Renville	14.7
Cass	1.1	Richland	9.9
Cavalier	1.3	Rolette	25.5
Dickey	0.8	Sargent	10.1
Divide	7.3	Sheridan	16.4
Dunn	88.8	Sioux	30.2
Eddy	10.0	Slope	1.3
Emmons	55.9	Stark	2.9
Foster	6.6	Steele	1.8
Golden Valley	0.0	Stutsman	32.7
Grand Forks	0.0	Towner	6.1
Grant	6.2	Traill	0.0
Griggs	8.1	Walsh	4.1
Hettinger	0.6	Ward	14.0
Kidder	72.4	Wells	3.1
LaMoure	2.1	Williams	73.8
Logan	14.5		
McHenry	24.7		
McIntosh	5.3		
McKenzie	107.0		
McLean	262.0		
Mercer	68.5		
Morton	23.8		

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Area Measurement Reports, May 1970.

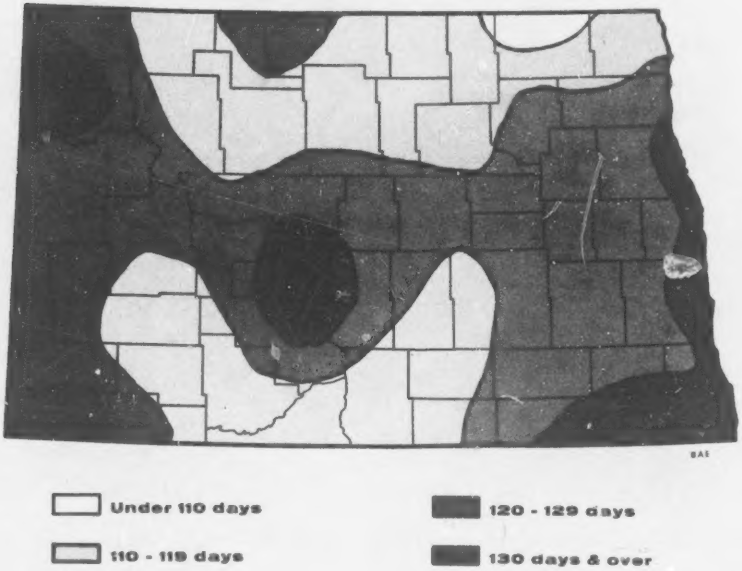
* Ponds, lakes or similar areas if their areas are forty acres or more; streams and canals must be one-eighth mile or more in width to be counted.

PHYSIOGRAPHIC DIAGRAM OF NORTH DAKOTA


Souris
Des Lacs
Souris
Pembina
RED RIVER VALLEY
White Earth
Park
Forest
Devils Lake
Turtle
Yellow Stone
Altamont
Missouri
Goose
Red River
Badlands
Morraine
Escarpment
Elm
Knife
DRIFT PRAIRIE
THE SLOPE
Missouri
Maple
Little Missouri
Heart
Sheyenne
James
Cannonball
Wild Rice
Cedar
Grand

Source: Composite of maps from North Dakota Department of Public Instruction, Project North Dakota: Reference Resource.

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32 DEGREES F.


BAE
☐ Under 110 days
▨ 110 - 119 days
▨ 120 - 129 days
■ 130 days & over

AVERAGE GROWING SEASON PRECIPITATION
(inches) April-September 1941-70

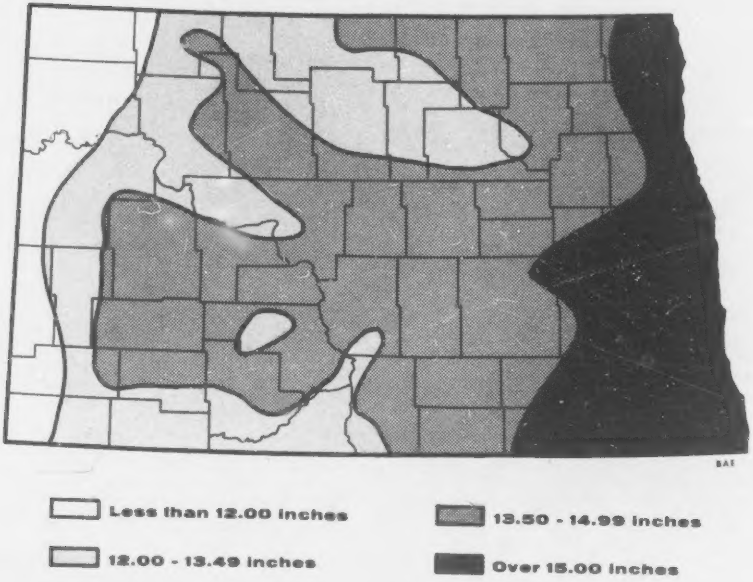

BAE
Less than 12.00 inches
12.00 - 13.49 inches
13.50 - 14.99 inches
Over 15.00 inches

TABLE 3.01

LAND AND WATER AREAS OF NORTH DAKOTA AND OTHER STATES, 1980

		Total Area		Land Area[1]		Water Area[2]	
	Rank	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
United States		3,618,770	9,372,614	3,539,289	9,166,759	79,481	205,856
New England		66,672	172,681	63,021	163,201	3,660	9,480
Maine	39	33,265	86,156	30,995	80,277	2,270	5,879
New Hampshire	44	9,279	24,032	8,993	23,292	286	739
Vermont	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	45	8,284	21,456	7,824	20,265	460	1,191
Rhode Island	50	1,212	3,140	1,055	2,732	158	408
Connecticut	48	5,018	12,997	4,872	12,617	147	380
Middle Atlantic		102,203	264,707	99,733	258,308	2,470	6,398
New York	30	49,108	127,189	47,377	122,706	1,731	4,483
New Jersey	46	7,787	20,169	7,468	19,342	319	827
Pennsylvania	33	45,308	117,348	44,888	116,260	420	1,088
East North Central		248,540	643,719	243,961	631,859	4,579	11,860
Ohio	35	41,330	107,044	41,004	106,201	325	843
Indiana	38	36,185	93,720	35,932	93,064	253	656
Illinois	24	56,345	145,934	55,645	144,120	700	1,814
Michigan	23	58,527	151,586	56,954	147,511	1,573	4,075
Wisconsin	26	56,153	145,436	54,426	140,964	1,727	4,472
West North Central		517,825	1,341,166	508,132	1,316,063	9,693	25,104
Minnesota	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa	25	56,275	145,753	55,965	144,950	310	803
Missouri	19	69,697	180,516	68,945	178,568	752	1,948
NORTH DAKOTA	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota	16	77,116	199,730	75,952	196,715	1,164	3,014
Nebraska	15	77,355	200,350	76,644	198,508	711	1,842
Kansas	14	82,277	213,098	81,778	211,805	499	1,293

TABLE 3.01--Continued

	Rank	Total Area		Land Area[1]		Water Area[2]	
		Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
South Atlantic		278,926	722,420	266,910	691,296	12,017	31,123
Delaware	49	2,044	5,295	1,932	5,005	112	290
Maryland	42	10,460	27,092	9,837	25,477	623	1,614
District of Columbia		69	178	63	162	6	15
Virginia	36	40,767	105,586	39,704	102,832	1,063	2,753
West Virginia	41	24,231	62,759	24,119	62,468	112	291
North Carolina	28	52,669	136,413	48,843	126,504	3,826	9,909
South Carolina	40	31,113	80,582	30,203	78,227	909	2,355
Georgia	21	58,910	152,576	58,056	150,364	854	2,211
Florida	22	58,664	151,939	54,153	140,256	4,511	11,683
East South Central		181,947	471,243	178,824	463,154	3,123	8,089
Kentucky	37	40,409	104,660	39,669	102,743	740	1,917
Tennessee	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	32	47,689	123,515	47,223	122,333	457	1,183
West South Central		437,701	1,133,646	427,271	1,106,633	10,430	27,013
Arkansas	27	53,187	137,754	52,078	134,883	1,109	2,871
Louisiana	31	47,752	123,677	44,521	115,310	3,230	8,366
Oklahoma	18	69,956	181,186	68,655	177,817	1,301	3,369
Texas	2	266,807	691,030	262,017	678,623	4,790	12,407
Mountain		863,563	2,236,628	855,193	2,214,951	8,369	21,667
Montana	4	147,046	380,848	145,388	376,555	1,657	4,293
Idaho	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	9	97,809	253,326	96,989	251,202	820	2,125
Colorado	8	104,091	269,595	103,595	[illegible]	496	1,285
New Mexico	5	121,593	314,925	121,335	314,258	258	667
Arizona	6	114,000	295,260	113,508	293,986	492	1,274
Utah	11	84,899	219,889	82,073	212,569	2,826	7,320
Nevada	7	110,561	286,352	109,894	284,624	667	1,728

TABLE 3.04

NORTH DAKOTA DRAINAGE AREAS BY BASIN AND SUB-BASINS IN SQUARE MILES

Stream (Basin)	Drainage Area in Square Miles	
Missouri Drainage Basin		33,902
Yellowstone River	748	
Little Missouri River	4,746	
Knife River	2,507	
Heart River	3,343	
Cannonball River	4,310	
Grand River	894	
Western Direct Tributaries	2,801	
Eastern Direct Tributaries	14,553	
James River Basin		6,831
Souris River Basin		9,112
Red Drainage Basin		17,240
Pembina River	1,960	
Park River	1,010	
Forest River	1,030	
Turtle River	730	
Goose River	1,280	
Elm River	510	
Wild Rice River	2,020	
Sheyenne River	7,140	
Minor Tributaries	1,560	
Devils Lake Basis		3,580
NORTH DAKOTA Total		70,665

SOURCE: North Dakota State Water Commission, Draft 1983 State Water Plan Update, 1983.

TABLE 3.05

AVERAGE ANNUAL RIVER FLOWS IN NORTH DAKOTA

River	Stream Gage Location	Flow (cfs)*	Period of Record
Red River	Grand Forks	2,502	1882-present
Sheyenne River	West Fargo	169	1929-present
Knife River	Hazen	177	1937-present
Heart River	Mandan	250	1937-present
Missouri River	Bismarck	22,360	1928-present
Cannonball River	Breien	238	1934-present
James River	LaMoure	87	1950-present
Goose River	Hillsboro	64	1931-present
Souris River	Westhope	259	1930-present
Little Missouri River	Watford City	592	1934-present

SOURCE: North Dakota Water Commission, unpublished data, 1979.

* Measured in cubic feet/second.

TABLE 3.07

ALTITUDES OF SELECTED NORTH DAKOTA COMMUNITIES

Communities	County	Altitude Feet
Amidon	Slope	2,910
Bathgate	Pembina	821
Beach	Golden Valley	2,825
Belfield	Stark	2,585
Bismarck (airport)	Burleigh	1,647
Bowbells	Burke	1,958
Bottineau	Bottineau	1,640
Bowman	Bowman	2,980
Butte St. Paul (Turtle Mountains)	Bottineau	2,300
Cando	Towner	1,468
Carrington	Foster	1,586
Casselton	Cass	930
Cooperstown	Griggs	1,428
Crosby	Divide	1,952
Devils Lake	Ramsey	1,464
Dickinson	Stark	2,416
Fargo (airport)	Cass	900
Ft. Berthold	Mountrail	1,773
Grand Forks	Grand Forks	830
Langdon	Cavalier	1,610
Leeds	Benson	1,530
Linton	Emmons	1,690
Lisbon	Ransom	1,089
Mandan	Morton	1,650
Marmarth	Slope	2,714
Medora	Billings	2,290
Milton	Cavalier	1,586
Minneawaukan	Benson	1,461
Minot	Ward	1,520
Napoleon	Logan	1,980
Park River	Walsh	970
Pembina	Pembina	790
Portal	Burke	1,952
Rugby	Pierce	1,550
Sentinel Butte	Golden Valley	2,707
Steele	Kidder	1,865
St. John	Rolette	1,950

SOURCE: North Dakota Blue Book, 1973, published under Legislative Authority by North Dakota Secretary of State, and data provided by the University of North Dakota, Department of Geography.

TABLE 3.08

AVERAGE ANNUAL TEMPERATURE IN DEGREES FAHRENHEIT IN NORTH DAKOTA, SELECTED YEARS, 1892-1980

Year	Average Temperature	Year	Average Temperature
1892	37.8		
1900	40.9	1940	41.0
1901	40.4	1941	42.2
1902	39.4	1942	40.9
1903	38.3	1943	39.8
1904	37.6	1944	41.0
1905	39.3	1945	39.0
1906	39.4	1946	40.8
1907	36.9	1947	40.1
1908	40.7	1948	40.0
1909	38.2	1949	39.9
1910	41.1	1950	35.7
1911	38.0	1951	37.2
1912	38.2	1952	41.3
1913	40.0	1953	42.8
1914	41.1	1954	41.5
1915	39.7	1955	39.4
1916	36.2	1956	39.6
1917	36.3	1957	40.8
1918	40.0	1958	41.4
1919	38.6	1959	40.3
1920	39.5	1960	40.4
1921	42.0	1961	41.9
1922	39.7	1962	40.6
1923	40.0	1963	41.9
1924	38.2	1964	40.5
1925	40.6	1965	38.4
1926	40.7	1966	38.9
1927	38.0	1967	39.9
1928	41.1	1968	40.1
1929	38.0	1969	43.7
1930	41.4	1970	39.1
1931	44.9	1971	39.7
1932	40.0	1972	38.1
1933	41.1	1973	42.3
1934	43.4	1974	40.4
1935	39.4	1975	40.0
1936	38.8	1976	40.2
1937	39.1	1977	41.5
1938	41.9	1978	38.7
1939	41.9	1979	37.6
		1980	41.6

SOURCE: Data for 1892-1977 from W.A. Dando, *Weather and Climate of North Dakota*, Grand Forks: Unpublished Manuscript, 1979. Data for 1978-1980 from National Oceanic & Atmospheric Administration, Environmental Data and Information Service, Climatological Data, Annual Summary, North Dakota, 1980.

TABLE 3.10

AVERAGE ANNUAL PRECIPITATION IN INCHES IN NORTH DAKOTA, SELECTED YEARS, 1892-1980

Year	Precipitation (Inches)	Year	Precipitation (Inches)
1892	18.34		
1900	19.06	1940	17.39
1901	19.41	1941	23.23
1902	19.35	1942	18.75
1903	19.24	1943	18.32
1904	17.81	1944	21.45
1905	18.91	1945	14.85
1906	20.03	1946	16.65
1907	14.31	1947	18.18
1908	18.55	1948	17.45
1909	18.10	1949	17.54
1910	12.54	1950	18.23
1911	18.42	1951	16.92
1912	20.39	1952	12.25
1913	14.65	1953	20.04
1914	18.97	1954	18.60
1915	19.28	1955	17.02
1916	19.87	1956	17.54
1917	10.75	1957	19.03
1918	16.01	1958	13.84
1919	15.59	1959	15.98
1920	15.28	1960	15.08
1921	19.44	1961	13.41
1922	19.89	1962	20.99
1923	17.79	1963	17.22
1924	17.12	1964	19.48
1925	16.65	1965	21.33
1926	15.37	1966	16.85
1927	21.51	1967	14.29
1928	17.88	1968	19.17
1929	14.31	1969	16.79
1930	14.89	1970	18.80
1931	15.00	1971	19.67
1932	17.18	1972	17.38
1933	13.45	1973	16.52
1934	9.51	1974	15.86
1935	18.04	1975	18.55
1936	8.83	1976	12.04
1937	17.03	1977	21.67
1938	15.23	1978	17.56
1939	14.15	1979	14.63
		1980	16.90

SOURCE: Data for 1892-1977 from Dando, Weather and Climate of North Dakota, Grand Forks Unpublished cript, 1979. Data for 1978-1980 from National Oceanic & Atmospheric inistration, Environmental Data and Information Service, Climatologi Data, Annual Summary, North Dakota, 1980.

TABLE 3.06

EXTREME AND MEAN ELEVATIONS IN NORTH DAKOTA AND OTHER STATES

State or Other Area	Highest Point			Lowest Point			Approximate Mean Elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
U.S.	Mt. McKinley-Alaska	20,320	6,198	Death Valley-Calif.	- 282	- 86	2,500	763
Ala.	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	500	153
Alaska	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900	580
Ariz.	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251
Ark.	Magazine Mountain	2,753	840	Ouachita River	55	17	650	198
Calif.	Mount Whitney	14,494	4,421	Death Valley	- 282	- 86	2,900	885
Colo.	Mount Elbert	14,433	4,402	Arkansas River	3,350	1,022	36,800	2,074
Conn.	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	753
Del.	Ebright Road, New Castle Co.	442	135	Atlantic Ocean	(1)	(1)	60	18
D.C.	Tonleytown	410	125	Potomac River	1	(3)	150	46
Fla.	Sec. 30, T6N,R20W, Walton County[2]	345	105	Atlantic Ocean	(1)	(1)	100	31
Ga.	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600	183
Hawaii	Mauna Kea	13,796	4,208	Pacific Ocean	(1)	(1)	3,030	924
Idaho	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525
Ill.	Charles Mound	1,235	377	Mississippi River	279	85	622	183
Ind.	Franklin Twp.-Wayne Co.	1,257	383	Ohio River	320	98	700	214
Iowa	Sec. 29, T100N,R41W, Osceloa County[2]	1,670	509	Mississippi River	480	146	1,100	336
Kans.	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000	610
Ky.	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
La.	Driskill Mountain	535	163	New Orleans	-5	-2	100	31
Maine	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600	183
Md.	Backbone Mountain, near Kempton, W.Va.	3,360	1,025	Atlantic Ocean	(1)	(1)	350	107
Mass	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500	153
Mich.	Mount Curwood	1,980	604	Lake Erie	572	174	900	275
Minn.	Eagle Mountain-Cook Co.	2,301	702	Lake Superior	602	184	1,200	366
Miss.	Woodall Mountain, near Iuka	806	246	Gulf of Mexico	(1)	(1)	300	92
Mo.	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
Mont.	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037

TABLE 3.06--Continued

State or Other Area	Highest Point: Name	Highest Point: Elevation Feet	Highest Point: Elevation Meters	Lowest Point: Name	Lowest Point: Elevation Feet	Lowest Point: Elevation Meters	Approximate Mean Elevation Feet	Approximate Mean Elevation Meters
Nebr.	Johnson Twp.-Kimball Co., T12N, R59W[2]	5,426	1,665	Southeast corner of State	840	256	2,600	793
Nev.	Boundary Peak	13,143	4,008	Colorado River	470	143	5,500	1,678
N.H.	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	305
N.J.	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250	76
N. Mex.	Wheeler Peak	13,161	4,014	Red Bluff Reservior	2,817	859	5,700	1,739
N.Y.	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	305
N.C.	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	214
N. DAK.	White Butte-Slope Co.	3,506	1,069	Red River	750	229	1,900	580
Ohio	Campbell Hill	1,550	473	Ohio River	433	132	850	259
Okla.	Black Kesa	4,973	1,517	Little River	287	88	1,300	397
Oreg.	Mount Hood	11,233	3,428	Pacific Ocean	(1)	(1)	3,300	1,007
Pa.	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	336
R.I.	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	61
S.C.	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(1)	(1)	350	107
S. Dak.	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
Tenn.	Clingmans Dome	6,643	2,026	Mississippi	182	56	900	275
Tex.	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700	519
Utah	Kings Peak	13,528	4,126	Beaverdam Creek	2,000	610	6,100	1,861
Vt.	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305
Va.	Mount Rogers	5,729	1,747	1Atlantic Ocean	(1)	(1)	950	290
Wash.	Mount Rainer	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	519
W. Va.	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
Wis.	Timms Hill	1,952	595	Lake Michigan	581	177	1,050	314
Wyo.	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	946	6,700	2,044

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1981.

[1] Sea level. [2] "Sec." denotes section; "T" township; "R" range; "N" north; "W" west. [3] Less than .5 meters.

TABLE 3.09

LONG-TERM MEAN TEMPERATURES BY MONTHS, NORTH DAKOTA REPORTING STATIONS, 1941-1970 (In Degrees F)

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Burke - Bowbells	4.6	9.6	20.1	39.0	51.1	60.4	67.1	65.4	54.0	43.6	25.4	12.1	37.7
Burke - Portal	3.4	8.5	19.4	39.1	51.3	60.5	67.2	65.4	54.0	43.8	24.8	11.2	37.4
Divide - Crosby	5.7	11.3	21.8	40.3	52.3	61.0	68.1	66.4	55.1	44.6	26.2	13.1	38.8
Mountrail - New Town	7.3	12.6	23.4	41.2	52.7	61.7	68.7	67.3	56.0	45.4	27.7	14.8	39.9
Mountrail - Parshall	6.8	12.3	23.1	40.9	52.5	61.5	68.4	67.0	55.6	45.0	27.0	14.1	39.5
Mountrail - Stanley	5.7	10.9	21.3	39.6	51.2	60.5	67.6	65.9	54.3	43.8	25.6	12.7	38.3
Renville - Mohall	4.4	9.6	21.4	40.3	52.4	61.7	67.9	66.4	55.2	44.7	25.8	11.9	38.5
Ward - Foxholm	7.3	12.3	23.2	41.2	53.4	62.5	69.2	67.8	56.7	46.4	23.9	14.4	40.2
Ward - Kenmare	6.0	10.8	21.2	39.6	52.2	61.6	68.5	66.8	55.3	44.8	26.5	13.4	38.9
Ward - Minot FAA AP	7.9	12.8	23.6	41.1	52.8	62.0	68.8	67.2	56.2	46.1	27.9	14.7	40.1
Williams - Williston	8.3	14.2	24.7	42.4	54.1	62.7	70.1	68.5	56.7	45.7	28.1	15.4	40.9
Northwest District (1)	6.2	11.4	22.1	40.5	52.4	61.4	68.3	66.8	55.4	44.9	26.6	13.5	39.1
Benson - Leeds	4.0	9.1	21.8	40.8	53.0	62.8	68.9	67.4	55.9	45.1	25.9	11.1	38.8
Benson - Maddock Ag. School	4.6	9.5	22.0	40.7	53.0	62.6	68.8	67.4	56.1	45.0	26.1	11.6	39.0
Bottineau - Bottineau	1.7	6.8	19.2	39.1	51.6	61.3	67.4	66.1	54.5	43.6	23.8	9.4	37.0
Bottineau - Westhope	2.8	7.8	20.2	39.9	52.4	61.7	68.0	66.5	54.9	44.0	24.6	10.2	37.7
Bottineau - Willow City	2.1	7.1	20.0	39.7	51.8	61.6	67.7	65.8	54.6	43.6	24.7	9.7	37.4
McHenry - Drake	5.0	9.7	21.2	40.2	52.8	62.4	69.1	67.4	55.8	45.4	26.5	12.7	39.0
McHenry - Granville	6.3	11.5	23.1	41.5	53.5	62.6	69.3	67.9	56.8	46.2	27.4	13.4	40.0
McHenry - Towner	4.5	9.9	22.0	41.0	53.1	62.5	68.9	66.9	55.5	45.1	26.3	11.9	39.0
McHenry - Velva	7.7	13.0	24.3	42.3	54.1	63.1	69.3	67.5	56.5	46.4	28.0	14.6	40.6
Rolette - Rolla	3.1	8.3	20.1	38.6	51.2	61.0	67.3	65.3	54.1	43.8	24.5	10.4	37.3
Rolette - San Haven	3.9	9.3	20.8	39.4	51.9	61.1	67.5	65.8	54.7	44.5	25.1	11.2	37.9
North Central District (2)	4.3	9.1	21.2	40.2	52.5	62.0	68.3	66.6	55.3	44.7	25.6	11.4	38.4
Cavalier - Hannah	0.7	5.7	18.1	37.6	50.6	60.4	66.2	64.5	53.9	43.2	23.7	8.7	36.1
Cavalier - Langdon Exp. Farm	1.3	6.7	19.5	38.5	51.3	61.0	66.7	65.3	54.5	43.9	24.2	8.7	36.8

TABLE 3.09--Continued

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Grand Forks - G.F. FAA AP	3.5	8.2	21.8	40.5	53.0	63.2	69.1	67.4	56.2	45.3	26.9	10.8	38.8
Grand Forks - G.F. UND	4.1	9.0	22.7	41.4	54.2	64.1	69.7	68.1	56.9	46.3	27.4	11.4	39.6
Grand Forks - Larimore	4.9	10.0	23.0	40.9	53.6	63.4	69.3	68.0	57.0	46.3	27.4	12.2	39.7
Pembina - Cavalier	3.3	8.6	21.5	40.4	53.6	63.6	69.2	67.5	56.5	45.7	26.6	10.7	38.9
Pembina - Pembina	1.0	6.1	19.8	39.7	52.7	62.8	68.6	66.9	56.0	45.1	25.6	9.0	37.8
Ramsey - Devils Lake KDLR	4.2	9.1	21.6	40.1	52.4	62.5	68.9	67.3	55.8	45.2	26.1	11.2	38.7
Ramsey - Edmore	1.9	7.2	19.9	38.8	51.3	61.0	66.8	65.5	54.3	43.5	24.5	9.3	37.0
Towner - Bisbee	3.1	7.9	20.6	39.6	52.1	62.2	68.1	66.3	55.1	44.1	25.2	10.6	37.9
Towner - Hansboro	2.4	7.8	19.8	38.5	50.9	60.3	66.4	64.7	53.8	43.6	24.4	10.1	36.9
Walsh - Grafton	3.8	9.1	22.3	41.1	54.0	63.7	69.3	68.3	57.1	46.4	27.0	10.5	39.4
Walsh - Park River	4.6	9.7	22.5	40.7	53.8	63.7	69.6	68.4	57.5	46.8	27.2	11.7	39.7
Northeast District (3)	3.1	8.1	21.1	39.7	52.5	62.4	68.2	66.7	55.7	44.9	25.8	10.4	38.2
Dunn - Dunn Center	9.2	14.3	23.3	40.5	52.2	61.3	68.6	67.2	55.5	45.3	28.2	16.3	40.2
McKenzie - Watford City	9.9	16.4	25.7	42.9	54.2	62.8	70.3	68.8	57.3	46.7	29.3	17.2	41.8
McLean - Max	5.5	10.2	21.3	39.9	52.0	61.7	68.5	67.0	55.2	44.4	26.0	12.8	38.7
McLean - Raub	9.4	15.7	24.7	42.5	54.0	62.7	70.0	68.8	57.4	47.2	29.8	16.9	41.6
McLean - Turtle Lake	7.5	12.4	23.7	42.1	54.0	63.1	69.8	68.8	57.3	46.7	28.1	14.8	40.7
McLean - Washburn	9.3	14.8	25.5	43.0	54.5	63.9	70.8	69.3	57.9	47.5	29.5	16.4	41.9
Oliver - Center	8.5	13.9	24.1	41.4	53.3	62.3	69.0	67.6	56.0	45.7	28.4	15.5	40.5
West Central District (4)	8.4	13.5	23.8	41.5	53.3	62.4	69.4	68.1	56.5	46.0	28.3	15.6	40.6
Foster - Carrington	5.3	9.6	21.6	39.5	51.9	61.8	68.3	66.6	55.0	45.4	26.5	12.3	38.6
Foster - McHenry	3.8	9.0	21.7	39.9	52.2	61.7	67.8	66.4	55.2	44.7	26.0	11.0	38.3
Kidder - Pettibone	5.9	10.7	22.6	40.8	52.8	62.4	69.3	68.1	56.7	46.0	27.4	13.0	39.6
Kidder - Steele	7.6	12.4	24.1	42.0	53.9	63.1	69.5	68.4	57.3	46.9	28.6	14.8	40.7
Sheridan - McClusky	6.8	11.9	23.1	41.3	53.5	62.8	69.8	68.5	56.9	46.2	27.6	14.0	40.2
Stutsman - Jamestown FAA AP	6.6	11.7	23.9	41.3	53.0	63.0	69.3	68.0	56.5	46.0	27.8	13.6	40.1

TABLE 3.09--Continued

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Stutsman - Jamestown State Hosp.	8.0	13.0	25.2	42.5	54.5	64.3	70.6	69.3	57.8	47.1	28.9	14.8	41.3
Stutsman - Kensal Wildlife Refuge	6.7	11.8	23.7	41.2	53.2	62.8	69.1	68.0	56.7	46.2	27.9	13.6	40.1
Wells - Fessenden	6.6	11.6	23.5	41.8	53.6	63.0	69.5	68.2	57.1	46.5	27.7	13.5	40.2
Central District (5)	6.7	11.3	23.2	41.2	53.2	62.7	69.2	67.9	56.6	46.1	27.6	13.4	39.9
Barnes - Valley City	7.5	12.9	25.4	42.7	55.0	64.3	70.1	68.7	57.5	47.0	28.9	14.4	41.2
Cass - Fargo	5.9	10.7	24.2	42.3	54.6	64.7	70.7	69.2	57.9	47.0	28.6	13.0	40.8
Griggs - Cooperstown	5.4	10.5	23.6	41.6	53.8	63.4	69.5	68.4	57.0	46.2	27.7	12.4	40.0
Steele - Sharon	4.5	9.7	22.6	40.4	52.9	62.5	68.6	67.4	56.3	45.7	26.6	11.3	39.0
Traill - Hillsboro	6.2	11.2	24.4	42.2	54.8	64.6	70.5	68.9	58.2	47.4	28.9	13.2	40.9
Traill - Mayville	6.0	10.8	24.3	42.2	54.5	64.3	70.2	69.0	58.0	47.3	28.5	13.1	40.7
East Central District (6)	6.4	11.2	24.2	42.1	54.4	64.0	70.0	68.7	57.6	46.9	28.3	13.0	40.6
Bowman - Bowman Court House	14.1	18.8	26.8	42.0	53.3	61.9	69.9	68.8	57.2	46.7	30.3	20.2	42.5
Hettinger - Mott	12.5	17.6	26.4	42.3	53.3	62.2	69.5	68.2	56.9	46.2	29.5	18.5	41.9
Hettinger - New England	13.5	18.1	26.9	42.0	53.2	62.1	69.5	68.5	56.9	46.0	29.9	19.3	42.2
Slope - Amidon	13.8	18.7	26.3	41.5	52.8	61.4	69.5	68.8	57.3	46.7	30.3	20.0	42.3
Slope - Marmarth	13.9	19.4	27.6	43.2	54.1	62.7	70.4	68.8	57.0	45.7	29.9	19.9	42.7
Stark - Dickinson FAA AP	12.1	16.8	25.3	41.2	52.5	61.5	69.3	68.2	56.6	46.3	29.2	18.5	41.5
Stark - Dickinson Exp. St.	10.4	15.1	24.2	40.8	52.2	61.1	68.5	67.5	55.8	45.2	28.4	17.1	40.5
Stark - Richardton Abbey	12.1	17.2	26.1	42.5	53.8	62.5	69.9	69.0	57.6	47.4	30.0	18.9	42.3
Southwest District (7)	12.8	17.8	26.2	42.0	53.2	61.9	69.6	68.4	56.8	46.2	29.7	19.1	42.0
Burleigh - Bismarck	8.2	13.5	25.1	43.0	54.4	63.8	70.8	69.2	57.5	46.8	28.9	15.6	41.4
Emmons - Linton	9.5	15.0	26.5	44.0	55.8	64.8	71.5	70.5	58.7	47.6	29.7	16.3	42.5
Grant - Carson	10.1	15.2	24.7	41.8	53.4	62.6	70.1	69.2	57.3	46.7	29.0	17.2	41.4

TABLE 3.09--Continued

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Morton - Mandan Exp. St.	8.3	13.0	24.4	42.2	53.8	63.2	70.2	68.9	57.3	46.8	28.8	15.7	41.1
Morton - New Salem	9.8	14.9	24.9	41.9	53.5	62.6	69.9	68.7	57.4	47.0	28.9	16.8	41.4
Sioux - Ft. Yates	11.4	16.4	27.0	43.9	55.5	64.7	71.9	70.6	59.1	48.3	31.1	18.6	43.2
South Central District (8)	10.3	15.0	25.6	42.9	54.5	63.6	70.7	69.5	58.0	47.4	29.6	17.0	42.0
Dickey - Ellendale	9.6	14.6	26.9	43.8	55.4	64.7	70.9	70.0	59.0	48.2	30.3	16.4	42.5
Dickey - Fullerton	9.0	14.1	26.4	43.6	55.4	64.7	70.7	69.6	58.4	47.8	30.0	15.9	42.1
Dickey - Oakes	7.0	11.6	24.7	42.0	54.2	64.1	70.4	69.0	57.5	46.7	28.9	14.4	40.9
LaMoure - Edgeley	7.9	12.5	24.7	41.7	53.5	63.1	69.3	68.4	57.4	46.7	28.7	14.9	40.7
Logan - Napoleon	7.7	12.5	23.9	42.1	54.0	63.2	69.8	68.9	57.5	46.8	28.5	14.9	40.8
McIntosh - Ashley	8.2	12.5	24.1	41.5	53.2	62.5	68.9	67.8	56.7	46.4	28.6	15.2	40.5
McIntosh - Wishek	6.6	11.0	22.6	40.3	52.3	62.0	68.3	67.0	55.7	45.1	27.5	14.0	39.4
Ransom - Lisbon	8.3	13.2	26.3	43.0	55.1	64.6	70.3	68.9	58.1	48.1	30.1	15.1	41.8
Ransom - McLeod	7.7	12.7	25.9	43.3	55.7	65.0	70.9	69.9	59.0	48.2	29.8	14.4	41.9
Richland - Hankinson RR St.	8.1	12.4	24.7	41.9	54.7	65.0	70.9	69.2	57.8	47.1	29.5	15.0	41.4
Richland - Wahpeton	8.7	13.5	26.5	44.2	56.6	66.2	71.7	70.6	59.7	49.2	30.8	15.6	42.8
Sargent - Forman	8.3	13.6	26.5	43.6	55.6	65.4	71.6	70.3	59.0	48.0	30.1	15.6	42.3
Southeast District (9)	8.2	12.8	25.2	42.5	54.6	64.2	70.3	69.1	57.9	47.3	29.3	15.0	41.4
NORTH DAKOTA	7.4	12.2	23.6	41.4	53.4	62.7	69.3	68.0	56.6	46.0	27.9	14.3	40.2

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1981 Annual Summary.

TABLE 3.11

LONG-TERM PRECIPITATION BY MONTHS, NORTH DAKOTA REPORTING STATIONS, 1941-1970 (In Inches)

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Burke - Bowbells	.55	.54	.60	1.27	2.22	3.92	2.25	2.22	1.66	.89	.52	.46	17.10
Burke - Portal	.53	.49	.61	1.04	2.03	3.74	2.05	2.28	1.43	.82	.51	.51	16.04
Divide - Crosby	.41	.38	.48	1.10	1.80	3.17	2.15	2.10	1.38	.76	.44	.41	14.58
Mountrail - New Town	.47	.41	.56	1.28	2.00	3.72	2.23	1.95	1.37	.69	.48	.38	15.54
Mountrail - Parshall	.39	.34	.44	1.23	2.17	3.86	2.37	2.08	1.65	.68	.44	.31	15.96
Mountrail - Stanley	.44	.49	.61	1.43	2.21	3.78	2.47	2.08	1.55	.76	.48	.43	16.73
Renville - Mohall	.45	.44	.65	1.31	2.16	3.91	2.42	2.26	1.52	.86	.56	.45	16.99
Ward - Foxholm	.48	.39	.56	1.34	2.00	3.79	2.12	2.17	1.37	.76	.54	.39	15.91
Ward - Kenmare	.54	.51	.70	1.29	1.98	3.76	2.05	1.90	1.47	.75	.54	.47	15.96
Ward - Minot FAA AP	.67	.52	.69	1.65	2.29	3.66	2.40	2.12	1.44	.65	.62	.53	17.24
Williams - Wildrose	.47	.47	.54	1.16	1.89	3.47	1.99	1.99	1.47	.80	.52	.49	15.26
Williams - Williston	.59	.53	.63	1.24	1.62	3.25	2.04	1.56	1.21	.64	.53	.49	14.33
Northwest District (1)	.46	.43	.55	1.26	2.01	3.61	2.21	2.02	1.45	.81	.50	.41	15.72
Benson - Leeds	.72	.42	1.01	1.36	2.35	3.25	2.44	2.03	1.64	.89	.65	.62	17.38
Benson - Maddock Ag. School	.54	.40	.78	1.22	2.23	3.55	2.73	2.15	1.76	.94	.55	.49	17.34
Bottineau - Bottineau	.42	.32	.62	1.07	2.22	3.63	2.65	2.82	1.46	.85	.43	.38	16.87
Bottineau - Westhope	.50	.41	.65	1.14	1.87	3.51	2.29	2.40	1.47	.86	.55	.44	16.09
Bottineau - Willow City	.44	.32	.57	1.04	1.96	3.38	2.22	2.53	1.43	.76	.45	.38	15.48
McHenry - Drake	.45	.36	.71	1.41	2.25	3.73	2.65	2.22	1.72	.85	.65	.42	17.42
McHenry - Granville	.52	.38	.59	1.32	2.23	3.75	2.20	2.48	1.41	.75	.49	.40	16.52
McHenry - Towner	.57	.40	.77	1.43	2.16	3.39	2.23	2.39	1.54	.78	.66	.49	16.81
McHenry - Velva	.58	.46	.68	1.52	2.27	3.80	2.78	2.36	1.45	.76	.67	.48	17.81
Pierce - Rugby	.62	.44	.77	1.19	2.08	3.28	2.68	2.61	1.51	.86	.60	.58	17.22
Rolette - Rolla	.58	.40	.81	1.19	2.21	3.69	3.08	3.00	1.62	.88	.63	.52	18.61
Rolette - San Haven	.46	.35	.62	.96	2.12	3.26	2.80	2.81	1.47	.82	.43	.37	16.47
North Central District (2)	.53	.39	.70	1.23	2.18	3.52	2.56	2.49	1.54	.83	.56	.45	16.98

TABLE 3.11--Continued

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Cavalier - Hannah	.53	.43	.80	1.10	2.44	3.42	3.07	2.93	2.00	1.06	.68	.49	18.95
Cavalier - Langdon Exp. Farm	.76	.48	.97	1.35	2.45	3.05	2.98	2.80	2.13	1.22	.85	.66	19.70
Grand Forks - G.F. UND	.64	.46	.90	1.52	2.36	4.04	3.24	3.10	2.43	1.09	.86	.63	21.27
Grand Forks - Larimore	.56	.45	.91	1.41	2.22	3.49	2.67	2.51	2.36	1.08	.78	.59	19.03
Nelson - Petersburg	.52	.39	.72	1.21	2.16	3.56	2.69	2.56	2.18	1.16	.62	.47	18.24
Pembina - Cavalier	.58	.39	.94	1.66	2.42	3.33	3.04	2.62	2.42	1.21	.87	.65	20.13
Pembina - Pembina	.49	.37	.75	1.24	2.45	3.13	3.31	2.75	2.54	1.23	.67	.50	19.43
Ramsey - Devils Lake KDLR	.56	.40	.86	1.11	2.27	3.39	2.28	2.11	2.07	.90	.64	.56	17.15
Ramsey - Edmore	.45	.31	.61	1.26	2.08	3.11	2.71	2.40	2.05	1.09	.49	.34	16.90
Towner - Bisbee	.75	.54	.90	1.22	2.17	3.20	2.87	2.79	1.60	.91	.67	.71	18.33
Towner - Hansboro	.34	.21	.55	.89	2.17	3.11	2.66	2.78	1.55	.79	.42	.34	15.81
Walsh - Grafton	.70	.45	.92	1.54	2.09	3.57	2.95	2.68	2.41	1.16	.81	.63	19.91
Walsh - Park River	.46	.32	.73	1.51	2.18	3.59	2.74	2.22	2.26	1.12	.66	.43	18.22
Northeast District (3)	.57	.41	.82	1.29	2.24	3.41	2.87	2.70	2.15	1.07	.70	.54	18.77
Dunn - Dunn Center	.45	.43	.58	1.43	2.16	4.32	2.37	2.13	1.45	.80	.50	.34	16.96
McKenzie - Watford City	.58	.53	.71	1.43	2.05	3.74	2.18	1.81	1.36	.81	.61	.46	16.27
McLean - Garrison	.54	.53	.69	1.49	2.00	3.55	2.17	1.88	1.39	.63	.54	.45	15.86
McLean - Max	.46	.51	.71	1.54	2.31	4.04	2.56	2.33	1.49	.70	.64	.38	17.67
McLean - Raub	.39	.36	.42	1.32	1.94	3.55	2.54	1.68	1.27	.58	.44	.31	14.80
McLean - Turtle Lake	.57	.43	.78	1.63	2.09	3.91	2.39	2.12	1.57	.77	.51	.45	17.22
McLean - Washburn	.44	.48	.74	1.74	2.38	4.11	2.62	2.10	1.65	.85	.55	.35	18.01
Oliver - Center	.53	.58	.85	1.54	2.42	3.55	2.59	2.05	1.65	.85	.74	.48	17.83
West Central District (4)	.50	.45	.65	1.48	2.23	3.92	2.42	2.07	1.48	.75	.56	.40	16.90
Foster - Carrington	.59	.50	.78	1.51	2.61	3.87	2.81	2.23	1.85	1.00	.61	.45	18.81
Foster - McHenry	.46	.37	.71	1.25	2.24	3.47	2.67	2.44	2.01	1.09	.53	.46	17.70
Kidder - Pettibone	.42	.40	.68	1.48	2.56	3.39	2.71	2.32	1.93	.97	.52	.41	17.79
Kidder - Steele	.52	.46	.64	1.50	2.63	3.90	2.44	2.14	1.86	1.01	.57	.44	18.11
Sheridan - McClusky	.59	.47	.85	1.45	2.33	4.04	2.30	2.04	1.64	.84	.61	.52	17.68
Stutsman - Courtenay	.57	.41	.84	1.33	2.25	3.55	2.99	2.53	2.01	.96	.57	.56	18.57

TABLE 3.11--Continued

District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Stutsman - Jamestown FAA AP	.61	.57	.82	1.56	2.45	3.61	3.11	2.26	1.73	.95	.58	.53	18.78
Stutsman - Kensal Wildlife Refuge	.36	.33	.58	1.44	2.61	3.45	2.92	2.73	1.87	1.12	.55	.43	18.39
Wells - Fessenden	.59	.53	.79	1.41	2.40	3.50	2.65	2.20	1.81	.98	.63	.56	18.05
Wells - Harvey	.40	.35	.80	1.39	2.43	3.73	2.78	2.06	1.71	.89	.61	.37	17.52
Central District (5)	.50	.45	.73	1.45	2.47	3.64	2.75	2.28	1.83	.99	.56	.46	18.12
Barnes - Valley City	.50	.47	.81	1.72	2.35	3.50	2.99	2.73	1.99	1.13	.69	.58	19.46
Cass - Fargo	.50	.44	.83	2.08	2.29	3.20	3.16	2.85	1.84	1.09	.72	.62	19.62
Griggs - Cooperstown	.44	.35	.68	1.42	2.56	3.83	3.19	2.63	2.45	1.08	.64	.55	19.82
Steele - Sharon	.50	.38	.83	1.65	2.70	3.61	2.96	2.77	2.39	1.14	.68	.51	20.12
Traill - Hillsboro	.47	.44	.81	1.76	2.38	4.01	3.36	2.80	2.30	1.19	.70	.56	20.78
Traill - Mayville	.59	.47	.74	1.45	2.43	3.70	2.52	2.77	2.24	1.03	.69	.58	19.21
East Central District (6)	.49	.41	.78	1.70	2.50	3.70	3.01	2.75	2.19	1.12	.68	.56	19.88
Adams - Hettinger	.38	.37	.56	1.50	2.64	4.08	2.00	1.84	1.30	.70	.44	.24	16.05
Bowman - Bowman Court House	.35	.34	.49	1.33	2.26	3.82	2.22	1.78	1.37	.65	.43	.28	15.32
Golden Valley - Sentinel Butte	.38	.33	.43	1.43	1.93	3.75	2.07	1.54	1.27	.68	.50	.24	14.55
Hettinger - Mott	.42	.35	.61	1.37	2.38	3.92	1.93	1.66	1.38	.55	.51	.31	15.39
Hettinger - New England	.50	.57	.87	1.62	2.50	4.21	2.40	1.85	1.42	.62	.60	.39	17.55
Slope - Amidon	.42	.35	.54	1.44	2.27	4.34	2.40	1.78	1.31	.71	.50	.35	16.41
Slope - Marmarth	.45	.45	.56	1.23	2.07	3.76	2.02	1.71	1.12	.74	.49	.37	14.97
Stark - Dickinson Exp. St.	.41	.41	.66	1.51	2.51	4.01	2.29	1.86	1.37	.72	.51	.30	16.56
Stark - Richardton Abbey	.55	.55	.88	1.61	2.72	4.21	2.34	1.97	1.35	.71	.72	.41	18.02
Southwest District (7)	.46	.42	.65	1.41	2.33	3.97	2.19	1.82	1.33	.75	.53	.34	16.19
Burleigh - Bismarck WSO	.51	.44	.73	1.44	2.17	3.58	2.20	1.96	1.32	.80	.56	.45	16.16
Emmons - Linton	.52	.47	.77	1.75	2.56	4.05	2.53	2.02	1.71	1.03	.60	.47	18.48
Grant - Carson	.45	.46	.78	1.59	2.66	3.95	2.40	1.86	1.49	.82	.52	.33	17.31

TABLE 3.12

MEAN NUMBER OF DAYS PER YEAR WITH PRECIPITATION OVER ONE-HALF INCH FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Days Per Year	Station	Days Per Year
Adams 7 S	11	Epping	6
Alexander	7	Fairfield	8
Almont 7 SW	10	Fargo WB Airport	12
Ambrose 3N	7	Fessenden	8
Amenia	10	Flasher	8
Amidon	6	Flaxton	8
Arvilla State Park	10	Forbes 13 NW	12
Ashley	11	Forman	12
Balta	6	Fort Yates	7
Bantry	8	Foxholm 7 N	6
Beach	5	Fullerton	14
Belcourt Indian Res.	9	Gackle	11
Belfield	10	Garrison	8
Berthold	8	Glen Ullin 13 N	8
Beulah	7	Golden Valley 10 S	7
Bisbee	8	Grafton	9
Bismarck WB Airport	9	Grand Forks FAA Airport	10
Bismarck 12 ENE	9	Grand Forks University	12
Bottineau	7	Granville	8
Bowbells	7	Grassy Butte 10 N	9
Bowman Court House	7	Grenora	6
Bowman 13 SE	7	Hague	10
Bowman 30 NNW	6	Halliday	8
Burt 16 N	9	Hankinson RR Station	12
Butte	7	Hannah	9
Carrington	11	Hansboro	7
Carson No. 2	9	Harvey	10
Cavalier	10	Hettinger	8
Center	10	Hillsboro	11
Colgate	8	Jamestown FAA Airport	11
Columbus	7	Jamestown State Hosp.	12
Cooperstown	11	Keene 2 S	7
Courtenay	10	Kenmare	7
Crosby	8	Kensal Wildlife Refuge	10
Devils Lake WB City	9	Killdeer 7 NW	9
Dickinson FAA Airport	7	Kulm	12
Dickinson Exp. Station	9	Langdon Exp. Farm	11
Donnybrook	8	Lansford	6
Drake	8	Larimore	11
Dunn Center 2 SW	7	Leeds	9
Eckman 2 SE	7	Lefor 10 E	9
Edgeley Exp. Farm	11	Linton	10
Edmore 1 N	8	Lisbon	12
Elgin 5 S	7	Lotchville	11
Ellendale	11	Lostwood 12 N	8
Enderlin	13	Maddock Agri. School	8

TABLE 3.12--Continued

Station	Days Per Year	Station	Days Per Year
Mandan Exp. Statior	8	Riverdale	10
Mandan Ft. Lincoln Park	9	Rolla	9
Marmarth	6	Rugby	8
Martin	9	Ryder	6
Max	11	San Haven	9
Mayville	9	Scranton	9
McClusky	9	Selfridge 5 W	11
McHenry 5 N	9	Sentinel Butte 20 S	7
McLeod 3 E	12	Sharon	11
McVille	9	Sherwood 3 N	8
Medina	8	Shields	9
Medora 3 NNE	7	Stanley	7
Medora 22 NNW	6	Steele	10
Minot FAA Airport	9	Sykeston	8
Minot Exp. Station	8	Tagus	8
Moffit 4 SE	8	Tioga 1 E	6
Mohall	9	Tolley	9
Montpelier	13	Towner	8
Mott	7	Trotters 6 SE	7
Munich 4 SW	8	Turtle Lake	8
Napoleon	9	Tuttle	9
New England	8	Underwood 4 ESE	9
New Rockford 7 WNW	9	Upham 3 N	7
New Salem 1 SE	9	Valley City	11
Newtown	7	Velva	9
Noonan	8	Verona	11
Nortonville	13	Wahpeton	13
Oakes	10	Walhalla	12
Park River	10	Warwick	12
Parshall	6	Washburn	8
Pembina	10	Watauga S Dakota 8 N	10
Petersburg	9	Watford City	7
Pettibone	9	Watford City 14 S	9
Pingree	9	Westhope	7
Portal	7	Wildrose	8
Powers Lake 1 N	6	Williston WB City	6
Petty Rock	8	Willow City	7
Raub 10 SSW	8	Wilton	11
Reeder	8	Wishek	9
Reeder 14 N	7	Woodworth	11
Richardton Abbey	7	Zahl	7

SOURCE: U.S. Dept. of Commerce, Weather Bureau, North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960, 1965.

TABLE 3.13

TOTAL ANNUAL SNOWFALL IN INCHES FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Snowfall (Inches)	Station	Snowfall (Inches)
Almont	35.8	Park River	33.8
Amenia	28.5	Parshall	23.7
Ashley	31.8	Petersburg	26.7
Beach	30.2	Pettibone	33.4
Belcourt Indian Res.	31.5	Petty-Rock	41.9
Bismarck WB Airport	37.7	Richardton Abbey	38.1
Bottineau	27.9	Riverdale	29.3
Bowbells	30.5	Sharon	33.7
Cavalier	39.4	Stanley	37.4
Center	37.4	Velva	38.5
Crosby	29.6	Watford City	38.9
Devils Lake WB City	35.7	Williston WB City	33.1
Dickinson FAA Airport	30.9	Willow City	31.5
Dunn Center 2 SW	31.3		
Ellendale	33.2		
Fairfield	29.4		
Fargo WB Airport	32.0		
Grand Forks FAA Airport	39.7		
Granville	33.4		
Hannah	34.9		
Jamestown FAA Airport	35.6		
Kensal Wildlife Refuge	29.8		
Langdon Exp. Farm	39.5		
Leeds	40.5		
Lisbon	31.8		
Marmarth	39.5		
Max	33.2		
Mayville	30.3		
McClusky	33.6		
McHenry 5 N	27.8		
Minot FAA Airport	39.2		
Mohall	30.1		
Mott	29.4		
Munich 4 SW	48.8		
Napoleon	32.1		

SOURCE: U.S. Dept. of Commerce, Weather Bureau, *North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960*, 1965.

TABLE 3.15

MONTHLY AND ANNUAL COOLING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	May	June	July	Aug.	Sept.	Oct.	Annual
Ashley	7	65	151	132	20	0	375
Bismarck WSB	11	86	198	165	27	0	487
Bottineau	6	46	120	109	13	0	294
Bowbells	0	39	108	97	16	0	260
Bowman Court House	10	66	179	157	36	0	448
Carrington	6	53	135	104	12	0	310
Cooperstown	7	77	159	157	21	0	421
Crosby	5	52	129	110	17	0	313
Devils Lake KDLR	5	59	143	128	15	0	350
Dickinson FAA Airport	7	62	162	140	22	6	399
Fargo WSB	11	88	190	163	21	0	473
Grand Forks FAA Airport	10	80	157	126	11	0	384
Jamestown FAA Airport	6	67	154	132	17	0	376
Langdon Exp. Farm	6	43	94	93	11	0	247
McClusky	10	66	168	143	24	0	411
New Town	8	59	152	137	28	0	384
Pembina 1 S	13	74	138	120	16	0	361
Valley City	13	81	175	152	21	0	442
Velva	8	65	155	127	17	0	372
Wahpeton	17	107	217	194	32	0	567
Williston WSB	7	66	180	144	25	0	422

SOURCE: Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970, National Climatic Center, 1973.

* A cooling-degree day is the amount which the average temperature of the day lies above 65 degrees F. An average daily temperature below 65 degrees F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

Note: There have been no cooling-degree days in January, February, March, April, November and December.

THE ECONOMY

Income and Wealth
Labor Force, Employment, and Earnings
Transportation
Communications
Agriculture
Energy and Related Mineral Activities
Construction and Housing
Banking, Finance and Insurance
Manufacturing

4.00

INCOME AND WEALTH

Income statistics are among the most widely used measures of a community's well-being. This section contains various income measures for North Dakota and its counties expressed in terms of total and per capita amounts, type, and industrial source. The U.S. Department of Commerce through its Bureau of Economic Analysis (BEA) is the primary source of income estimates reported here. A detailed description of the rather complex estimating procedure used by BEA can be found in the agency's publication, Local Area Personal Income, 1970-75. Data in this section were obtained from the BEA's Regional Economic Information System computer printouts.

Income data from BEA are supplemented in this section with data on individual income tax returns provided by the Internal Revenue Service in its Individual Income Tax Returns series. Tax data are subject to many limitations and should be interpreted with great caution.

Wealth is defined as all property that has an exchangeable value. It is measured as a stock at a moment of time in contrast to income which is measured as a flow of value over a period of time. There are no estimates made on a regular basis of the total wealth of individuals and organizations. There are, however, indicators which may be used to assess broadly the wealth of the community. Among these is information available from federal inheritance tax returns. Wealth represented by ownership of real property, estimated by its value assessed for tax purposes, is reported in the section on Government Finances. Assets of and deposits in banks and other financial institutions, other measures of wealth, are reported in the section on Banking, Finance, and Insurance.

Observation of income as a measure of community well-being is not complete without consideration being given to how the income is distributed among individuals. Unfortunately, distributional measures on a state and county level are not yet available from the 1980 Census. However, included in this section are recent data on the incidence of poverty among North Dakota families, taken from the 1980 Census.

Gross National Product is a measure of the market value of all final goods and services produced in our national economy during a year. As such, it is widely used as a summary indicator of our overall economic health. An analogous measure exists at the state level, Gross State Product, which measures the market value of all final goods and services produced during a year in a particular state. Estimates of North Dakota Gross State Product by sector have been made by the Bureau of Business and Economic Research at the University of North Dakota as a gauge of the extent and sources of economic growth over the past several years. Both current dollar and inflation adjusted estimates of Gross State Product are provided.

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District, County & Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual-
Morton - Mandan Exp. St.	.42	.39	.67	1.42	2.24	4.02	2.23	2.20	1.52	.82	.53	.31	16.77
Morton - New Salem	.47	.49	.74	1.43	2.29	3.77	2.25	2.23	1.48	.69	.47	.34	16.65
Sioux - Fort Yates	.37	.42	.72	1.44	2.39	3.25	2.03	1.79	1.50	1.01	.44	.31	15.67
South Central District (8)	.44	.44	.71	1.47	2.43	3.87	2.25	2.02	1.50	.84	.52	.36	16.85
Dickey - Ellendale	.57	.66	.87	2.18	2.95	4.18	3.00	2.45	1.87	1.18	.72	.50	21.13
Dickey - Fullerton	.64	.71	.92	2.22	2.96	4.10	2.72	2.48	1.77	1.23	.79	.55	21.09
Dickey - Oakes	.55	.67	.88	2.14	2.76	3.82	2.67	2.40	1.90	1.16	.75	.54	20.24
LaMoure - Edgeley	.42	.49	.79	1.69	2.71	3.63	2.92	2.35	1.80	.98	.59	.37	18.74
Logan - Napoleon	.49	.37	.81	1.40	2.62	3.50	2.97	2.25	1.69	1.00	.55	.37	18.02
McIntosh - Ashley	.45	.44	.66	1.40	2.58	3.77	2.98	2.43	1.62	.90	.42	.31	17.96
McIntosh - Wishek	.46	.42	.77	1.53	2.64	3.64	2.83	2.14	1.58	.86	.49	.40	17.78
Ransom - Lisbon	.42	.51	.80	2.11	2.59	3.64	3.09	2.91	1.76	1.16	.67	.53	20.19
Ransom - McLeod	.45	.46	.81	1.77	2.57	3.44	3.05	2.80	1.84	1.12	.72	.53	19.56
Richland - Hankinson RR St.	.44	.56	.82	2.13	2.62	4.24	2.65	2.47	1.96	1.10	.67	.61	20.27
Richland - Wahpeton	.55	.52	.80	2.25	2.82	4.27	3.25	2.93	2.02	1.16	.79	.65	22.01
Sargent - Forman	.51	.56	.82	2.11	2.90	3.99	3.26	2.39	1.88	1.14	.71	.50	20.77
Southeast District (9)	.48	.53	.83	1.94	2.76	3.88	2.99	2.52	1.85	1.10	.66	.48	20.00
NORTH DAKOTA	.49	.44	.71	1.47	2.35	3.72	2.58	2.30	1.70	.92	.59	.44	17.71

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1977 Annual Summary.

TABLE 3.14

MONTHLY AND ANNUAL HEATING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	Annual
Ashley	30	45	269	577	1,092	1,544	1,761	1,470	1,268	705	373	140	9,274
Bismarck WSB	18	35	252	564	1,083	1,531	1,761	1,442	1,237	660	339	122	9,044
Bottineau	46	75	328	663	1,236	1,724	1,962	1,630	1,420	777	421	157	10,439
Bowbells	43	85	346	663	1,188	1,640	1,872	1,551	1,392	780	435	177	10,172
Bowman Court House	27	39	270	567	1,041	1,389	1,578	1,294	1,184	690	372	159	8,610
Carrington	33	55	312	608	1,155	1,634	1,851	1,551	1,345	765	415	149	9,873
Cooperstown	19	52	261	583	1,119	1,631	1,848	1,526	1,283	702	354	125	9,503
Crosby	33	67	314	632	1,164	1,609	1,838	1,504	1,339	741	399	172	9,812
Devils Lake KDLR	22	56	291	614	1,167	1,668	1,885	1,565	1,345	747	396	134	9,890
Dickinson FAA Airport	29	41	274	586	1,074	1,442	1,640	1,350	1,231	714	394	167	8,942
Fargo WSB	13	33	234	558	1,092	1,612	1,832	1,520	1,265	681	334	97	9,271
Grand Forks FAA Airport	29	51	275	611	1,143	1,680	1,907	1,590	1,339	735	382	134	9,876
Jamestown FAA Airport	21	39	272	589	1,116	1,593	1,810	1,492	1,274	711	378	127	9,422
Langdon Exp. Farm	41	84	326	654	1,224	1,745	1,975	1,632	1,411	795	431	163	10,481
McClusky	19	34	267	583	1,122	1,581	1,804	1,487	1,299	711	367	132	9,406
New Town	38	66	298	605	1,119	1,556	1,789	1,467	1,290	714	389	158	9,482
Pembina 1 S	26	61	286	617	1,182	1,736	1,984	1,649	1,401	759	394	140	10,235
Valley City	17	38	246	558	1,083	1,569	1,783	1,459	1,228	669	323	102	9,075
Velva	22	50	272	577	1,110	1,562	1,776	1,456	1,262	681	346	122	9,236
Wahpeton	10	20	191	490	1,026	1,531	1,745	1,442	1,194	624	277	71	8,621
Williston WSB	22	35	274	598	1,107	1,538	1,758	1,422	1,249	678	345	135	9,161

SOURCE: Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970, National Climatic Center, 1973.

* A heating-degree day is the amount which the average temperature of the day falls below 65 degrees F. An average daily temperature above 65 degrees F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

TABLE 3.16

AVERAGE LENGTH OF GROWING SEASON* AT TEMPERATURES OF 28° F AND 32° F OR ABOVE FOR SELECTED STATIONS IN NORTH DAKOTA

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28° (Date)	32° (Date)	32° (Date)	28° (Date)	32° (Days)	28° (Days)	(Year)
Northwest District								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
North Central District								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
Northeast District								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
West Central District								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34

TABLE 3.16--Continued

Station	County	Average Date of Last Spring Frost 28° (Date)	32° (Date)	Average Date of First Frost in Fall 32° (Date)	28° (Date)	Average Number of Days in Growing Season 32° (Days)	28° (Days)	Number of Years in Average (Year)
Central District								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
East Central District								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
Southwest District								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
South Central District								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
Southeast District								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1982 Annual Summary.

* Number of years in average varies by reporting station.

TABLE 4.04

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME FOR THE UNITED STATES AND NORTH DAKOTA, 1980

Industry	United States	North Dakota
Farm	1.81%	5.79%
Non-Farm		
Ag. Serv., Forestry, Fish. & Other	.44	.46
Mining	1.79	5.01
Construction	5.81	9.12
Manufacturing	25.82	6.66
Transportation & Public Utilities	7.74	10.12
Wholesale Trade	6.91	10.13
Retail Trade	9.69	11.23
Finance, Insurance & Real Estate	6.08	5.49
Services	17.70	16.13
Government	16.23	19.86

SOURCE: Calculated from data in U.S. Dept. of Commerce, Regional Economics Information System.

TABLE 4.05

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME FOR NORTH DAKOTA, SELECTED YEARS, 1930-1980

Industry	1930	1940	1950	1970	1975
Farm	26.02%	21.37%	11.31%	19.43%	27.77%
Non-Farm	73.98	78.63	88.69	80.57	72.23
Ag. Serv., For., Fish., & Other	-----	-----	-----	.41	.41
Mining	.81	.85	.92	1.03	1.23
Construction	2.44	1.71	8.26	7.29	7.24
Manufacturing	5.69	5.13	5.20	5.00	6.29
Transportation & Pub. Utilities	13.82	11.97	14.68	7.79	6.62
Wholesale Trade	*	*	*	6.53	8.16
Retail Trade	*	*	*	13.02	9.78
Finance, Insurance & Real Estate	4.07	3.42	2.75	3.82	3.43
Services	9.76	8.55	9.17	12.30	11.06
Government	14.63	27.35	20.49	23.37	18.00

Industry	1976	1977	1978	1979	1980
Farm	15.48%	9.56%	17.12%	13.09%	5.79%
Non-Farm	84.52	90.44	82.88	86.91	94.21
Ag. Serv., For., Fish., & Other	.41	.46	.41	.43	.46
Mining	1.84	2.28	2.34	3.30	5.01
Construction	9.17	9.73	9.76	9.72	9.12
Manufacturing	6.99	6.82	6.14	6.48	6.66
Transportation & Pub. Utilities	7.64	8.51	8.38	9.04	10.12
Wholesale Trade	9.13	9.64	8.79	9.58	10.13
Retail Trade	11.54	12.01	10.23	10.65	11.23
Finance, Insurance & Real Estate	4.16	5.01	4.68	4.91	5.49
Services	13.27	14.66	13.36	14.25	16.13
Government	20.37	21.33	18.80	18.55	19.86

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of Economic Analysis, Survey of Current Business, August, various years, and Regional Economics Information System and Office of Business Economics, Personal Income by State Since 1929.

* Wholesale and retail trade combined: 22.76 for 1930, 20.51 for 1940, and 27.22 for 1950.

TABLE 4.08

PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1980
(Millions of Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$ 85,803	$ 246	$ 288	$ 315	$ 827	$ 1,548	$ 152
1940	78,122	218	231	316	574	1,475	152
1950	226,197	792	815	962	1,988	4,216	484
1955	308,266	848	857	1,178	2,191	5,483	570
1960	396,086	1,066	1,200	1,347	2,846	7,071	732
1965	532,022	1,508	1,498	1,704	3,761	9,494	867
1970	793,485	1,904	2,072	2,367	5,442	14,571	1,226
1974	1,147,257	3,737	3,239	3,666	8,005	21,170	2,046
1975	1,248,631	3,758	3,401	4,014	9,085	22,680	2,301
1976	1,373,334	3,712	3,457	4,266	9,394	24,625	2,643
1977	1,520,070	3,837	4,102	4,637	10,426	28,293	3,055
1978	1,709,616	4,845	4,541	5,425	11,809	31,680	3,679
1979	1,939,751	5,354	5,211	6,145	13,672	36,040	4,427
1980	2,160,629	5,643	5,408	6,822	14,300	39,908	5,132

SOURCE: U.S. Dept. of Commerce, Survey of Current Business, various years.

TABLE 4.09

PER CAPITA PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1980
(Current Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$ 705	$ 365	$ 417	$ 502	$ 602	$ 602	$ 683
1940	592	340	360	566	436	529	606
1950	1,496	1,279	1,244	1,622	1,498	1,407	1,670
1955	1,876	1,378	1,293	1,852	1,594	1,729	1,857
1960	2,201	1,681	1,758	1,983	2,009	2,064	2,210
1965	2,750	2,323	2,164	2,414	2,556	2,643	2,612
1970	3,893	3,077	3,108	3,395	3,657	3,819	3,672
1974	5,428	5,879	4,753	4,976	5,196	5,422	5,653
1975	5,861	5,901	4,495	5,381	5,886	5,784	6,124
1976	6,397	5,758	5,043	5,648	6,052	6,227	6,766
1977	7,026	5,872	5,953	6,093	6,679	7,118	7,517
1978	7,840	7,432	6,585	6,915	7,544	7,904	8,687
1979	8,638	8,209	7,563	7,787	8,740	8,925	9,798
1980	9,511	8,626	7,818	8,652	9,086	9,765	10,875

SOURCE: U.S. Dept. of Commerce, Survey of Current Business, various years.

TABLE 4.01

NORTH DAKOTA NOMINAL GROSS STATE PRODUCT, 1976-1981
(Millions $)

Sector	1976	1977	1978	1979	1980	1981
Agriculture	$ 900.5	$ 606.8	$1,066.6	$1,115.1	$1,921.8	$1,321.8
Agricultural Services	14.8	17.6	19.7	21.7	23.0	26.5
Mining	143.5	168.4	227.0	375.4	653.2	1,110.7
Construction	328.4	364.7	459.5	486.7	467.1	472.4
Non-Durable Manufacturing	188.8	224.0	263.4	284.7	287.2	337.8
Durable Manufacturing	120.6	105.1	109.3	123.8	123.2	127.1
Transportation	162.8	184.9	220.5	267.0	295.9	330.1
Communications	120.9	129.5	147.5	156.7	177.6	195.6
Public Utilities	163.1	194.7	266.4	282.4	312.8	369.7
Wholesale Trade	472.9	513.6	575.8	658.5	676.4	770.8
Retail Trade	503.5	551.2	587.4	646.9	662.1	713.9
Finance-Insurance	138.2	157.9	189.8	214.1	230.2	245.5
Real Estate	294.7	484.4	601.0	600.7	556.7	499.9
Services	459.2	532.6	605.4	682.8	764.3	902.7
Government	686.2	725.2	796.8	850.1	915.8	1,038.4
Total	4,698.1	4,960.6	6,136.1	6,766.6	8,067.3	8,462.9

SOURCE: Robert J. Korbach, *North Dakota Gross State Product, 1976-1981*, Bureau of Business and Economic Research, University of North Dakota, January 1983.

TABLE 4.02

NORTH DAKOTA REAL GROSS STATE PRODUCT, 1976-1981
(Millions of 72$)

Sector	1976	1977	1978	1979	1980	1981
Agriculture	$ 564.9	$ 481.5	$ 792.6	$ 580.9	$1,225.0	$ 707.3
Agricultural Services	10.3	10.8	12.0	12.7	12.7	13.5
Mining	63.8	69.4	87.7	117.1	149.8	194.8
Construction	226.2	231.4	264.4	244.9	205.3	193.1
Non-Durable Manufacturing	147.3	163.7	180.8	184.8	173.4	187.2
Durable Manufacturing	92.1	76.5	75.7	81.2	74.6	71.5
Transportation	124.9	132.3	147.8	164.4	156.4	155.0
Communications	104.3	108.9	120.7	126.9	139.4	141.5
Public Utilities	114.9	126.3	161.2	170.0	168.2	170.6
Wholesale Trade	342.7	355.9	379.8	396.4	368.0	393.7
Retail Trade	392.2	405.0	403.5	415.2	392.9	389.3
Finance-Insurance	116.7	115.2	120.3	125.7	126.0	129.3
Real Estate	237.5	368.3	425.3	397.8	335.8	275.0
Services	341.1	373.5	396.5	413.1	421.8	458.9
Government	515.9	512.2	528.0	529.7	529.4	549.1
Total	3,091.2	3,530.9	4,096.3	3,960.8	4,478.7	4,029.8

SOURCE: Robert J. Korbach, North Dakota Gross State Product, 1976-1981, Bureau of Business and Economic Research, University of North Dakota, January 1983.

TABLE 4.03

TOTAL LABOR AND PROPRIETORS INCOME IN NORTH DAKOTA BY INDUSTRIAL SOURCE, SELECTED YEARS, 1960-1980 (Thousands of Dollars)

Industry	1960	1965	1970	1975	1980
Farm	$237,148	$ 346,253	$ 296,699	$ 825,078	$ 333,688
Non-Farm	559,091	895,459	1,229,643	2,145,714	3,701,278
Ag. Services, Forestry & Fisheries	3,123	3,739	6,184	12,270	18,080
Mining					
Coal	2,230	2,394	4,290	10,248	35,814
Oil & Gas Extraction	8,420	9,750	9,695	23,833	155,438
Other	870	1,285	1,746	3,159	5,566
Construction	63,414	78,383	111,233	214,861	357,070
Manufacturing					
Non-Durable	23,943	28,212	44,306	72,237	120,162
Durable	10,134	20,757	32,056	114,657	141,813
Transportation & Public Utilities					
Railroad	33,127	32,032	36,085	47,494	84,640
Trucking & Warehousing	12,818	16,898	21,997	40,252	93,243
Other Transportation	3,856	4,619	D	D	22,498
Communication	13,832	18,189	28,530	51,625	91,819
Electric, Gas & Sanitary	12,590	18,007	26,116	47,262	110,770
Wholesale Trade	64,321	80,697	99,667	242,377	396,975
Retail Trade					
Building Materials & Farm Equip.	22,614	25,487	32,302	25,979	43,796
Retail General Merchandise	13,200	16,605	22,603	31,876	48,296
Food Stores	14,335	15,880	21,893	38,009	60,677
Auto Dealers & Service Stations	30,846	38,418	51,504	77,611	99,215

TABLE 4.03--Continued

Industry	1960	1965	1970	1975	1980
Apparel & Accessory	$ 6,557	$ 7,462	$ 10,523	$ 15,414	$ 23,133
Furniture & Home Furnishing	5,891	7,046	9,845	16,081	23,079
Eating & Drinking Places	17,477	19,706	28,209	48,157	85,699
Misc. Retail Stores	15,311	16,870	21,908	37,456	56,220
Finance, Insurance & Real Estate					
Banking	10,201	13,923	20,652	34,222	62,856
Other	26,861	33,796	37,629	67,786	151,692
Services	92,416	121,989	187,775	328,370	630,859
Government	150,704	244,434	356,668	534,417	781,868
Total	$896,239	$1,241,712	$1,526,342	$2,970,792	$4,034,966

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

TABLE 4.06

TOTAL LABOR AND PROPRIETORS INCOME BY INDUSTRY BY NORTH DAKOTA COUNTY, 1980 (Thousands of Dollars)

		Non-Farm								
County	Farm	Ag. Serv., Forestry, Fisheries, & Other	Mining	Con-struc-tion	Manu-fac-turing	Transpor-tation & Public Utilities	Whole-sale & Retail Trade	Finance, Insur. & Real Estate	Services	Govern-ment (Fed. & State & Local)
Adams	$ 3,688	$ (D)	$ (D)	$ 1,518	$ 1,306	$ 838	$ 5,048	$ 751	$ 4,186	$ 1,928
Barnes	-7,141	271	0	5,469	1,756	3,589	17,073	2,721	8,734	11,953
Benson	10,412	173	(D)	2,105	4,290	1,446	1,415*	1,600	5,079	4,583
Billings	3,228	(L)	(D)	(D)	0	713	484	(D)	637	1,231
Bottineau	13,091	168	2,707	1,696	1,537	3,771	9,403	1,966	4,349	7,175
Bowman	2,691	88	5,754	(D)	222	1,075	2,253*	1,011	2,780	2,472
Burke	2,058	104	3,988	322	167	2,760	2,810	711	972	3,334
Burleigh	12,880	(D)	(D)	45,988	23,505	48,692	87,602	26,892	93,442	89,821
Cass	-11,990	(D)	(D)	63,465	67,471	76,392	207,790	66,101	147,799	115,932
Cavalier	879	(D)	(D)	1,151	737	3,194	6,723	2,134	4,525	4,434
Dickey	3,026	319	0	1,420	1,686	1,959	7,736	1,374	5,225	3,936
Divide	2,418	(D)	2,014	351	105	(D)	2,825	790	2,480	2,290
Dunn	14,183	89	6,514	1,626	87	2,763	3,688	512	705	2,667
Eddy	626	(D)	(D)	915	123	1,166	3,373	1,433	1,908	2,021
Emmons	10,663	183	(L)	2,920	573	1,115	3,530	878	1,959	3,113
Foster	2,605	113	(D)	1,635	448	2,921	2,888*	1,567	2,969	2,863
Golden Valley	4,857	166	1,568	817	343	1,117	2,788	682	1,580	1,475
Grand Forks	-11,608	1,322	(D)	31,570	20,212	44,605	53,698*	19,604	68,677	159,880
Grant	5,811	(D)	(D)	353	280	604	2,359	632	1,974	2,117
Griggs	-852	139	(L)	603	1,329	860	1,361*	833	(D)	2,148

TABLE 4.06--Continued

County	Farm	Non-Farm								
		Ag. Serv., Forestry, Fisheries, & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government (Fed. & State & Local)
Hettinger	$ 3,812	$ 190	$ 545	$ 1,151	$ 370	$ 964	$ 3,435	$ 874	$ 1,640	$ 2,162
Kidder	5,529	189	(L)	738	189	1,413	2,565	479	818	2,365
LaMoure	-2,505	12,263	(D)	634	219	1,596	6,522	1,345	1,716	4,062
Logan	2,838	87	(L)	526	158	158	2,331	529	1,076	1,892
McHenry	10,067	(D)	(D)	2,004	745	3,988	4,807	1,052	1,297	4,646
McIntosh	9,083	106	(L)	318	1,055	990	3,342	1,088	3,039	2,557
McKenzie	11,705	(D)	29,518	5,602	252	4,249	2,316*	912	4,380	4,523
McLean	16,232	1,129	6,435	9,340	622	9,645	8,529	1,980	5,416	8,904
Mercer	6,787	124	14,967	53,560	493	11,087	6,277	1,684	6,007	4,813
Morton	12,061	(D)	(D)	14,152	15,732	16,476	24,357	5,152	16,155	17,933
Mountrail	8,244	90	1,626	1,682	1,131	2,237	6,191	1,245	4,257	7,041
Nelson	3,070	152	0	1,647	862	2,081	4,942	1,471	2,621	3,489
Oliver	4,120	(L)	(D)	4,331	(L)	(D)	531	168	170	1,299
Pembina	1,568	1,127	(L)	2,108	9,455	5,255	10,122	2,089	8,506	8,704
Pierce	3,430	105	190	987	1,425	2,871	5,551	1,116	6,044	3,180
Ramsey	7,338	214	0	4,896	1,611	5,828	21,715	3,350	16,097	13,725
Ransom	-931	261	(L)	1,451	445	4,286	6,623	1,461	3,225	3,672
Renville	2,953	55	2,521	677	72	1,047	2,854	493	2,405	2,302
Richland	-16,452	(D)	(D)	4,764	21,431	7,197	16,742	3,900	9,836	16,109
Rolette	2,578	50	98	2,524	3,004	1,264	6,368	1,872	9,773	17,035

TABLE 4.06--Continued

County	Farm	Non-Farm								
		Ag. Serv., Forestry, Fisheries, & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government (Fed. & State & Local)
Sargent	$ 1,927	$ 104	$ 0	$ 720	$ 15,499	$ 2,581	$ 1,201*	$ 764	$ (D)	$ 2,566
Sheridan	5,259	(L)	(D)	682	231	(D)	1,181	572	826	1,538
Sioux	4,014	(L)	(L)	686	426	304	1,223	(D)	(D)	6,238
Slope	3,009	(L)	(D)	0	0	212	120*	0	(D)	311
Stark	7,910	468	17,563	14,233	9,903	17,338	35,170	7,603	25,075	17,276
Steele	-3,302	126	0	592	362	1,087	2,690	1,057	648	2,182
Stutsman	5,845	(D)	(D)	8,588	18,871	15,977	30,060	7,473	22,231	25,450
Towner	226	(D)	(L)	1,143	256	1,947	1,889*	1,002	2,919	2,346
Traill	5,494	(D)	137	1,266	5,091	2,476	4,189*	2,404	7,393	7,137
Walsh	71	(D)	(D)	4,425	1,671	5,898	17,207	5,096	9,459	14,879
Ward	18,579	518	6,351	30,509	15,678	37,767	81,607	16,583	58,448	126,456
Wells	21,384	142	(D)	1,204	314	2,560	3,264*	1,498	5,122	4,344
Williams	8,395	609	60,473	15,307	8,406	21,270	39,318	7,209	30,690	14,909

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

L Less than $50,000.

D Not shown to avoid disclosure of confidential information.

* Retail only, wholesale deleted to maintain confidentiality.

TABLE 4.07

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME BY NORTH DAKOTA COUNTY, 1980

		Non-Farm									
County	Farm	Ag. Serv., Forestry, Fish. & Other	Mining	Construction	Manufacturing	Trans. & Pub. Util.	Wholesale Trade	Retail Trade	Finance, Insur. & Real Estate	Services	Government
Adams	18.50%	(D)%	(D)%	7.65%	6.58%	4.22%	16.65%	8.79%	3.79%	21.10%	9.72%
Barnes	-16.14	.61	0	12.36	3.97	8.11	19.23	18.93	6.15	19.74	27.02
Benson	31.18	.52	(D)	6.30	12.85	4.33	(D)	4.24	4.79	15.21	13.73
Billings	14.18	(L)	(D)	(D)	0	3.13	.47	1.66	(D)	2.80	5.41
Bottineau	28.54	.37	5.90	3.70	3.35	8.22	10.41	10.09	4.29	9.48	3.70
Bowman	12.08	.39	25.82	(D)	1.00	4.82	(D)	10.11	4.54	12.48	11.09
Burke	11.95	.60	23.15	1.87	.97	16.02	9.50	6.82	4.13	5.64	19.35
Burleigh	2.96	(D)	(D)	10.56	5.40	11.19	8.64	11.49	6.18	21.46	4.17
Cass	-1.63	(D)	(D)	8.64	9.18	10.40	16.31	11.97	9.00	20.11	15.78
Cavalier	3.65	(D)	(D)	4.78	3.06	13.25	13.98	13.92	8.86	18.78	18.40
Dickey	11.34	1.20	0	5.32	6.32	7.34	16.35	12.64	5.15	19.58	14.75
Divide	17.42	(D)	14.51	2.53	.76	(D)	8.93	11.42	5.69	17.86	16.50
Dunn	43.20	.27	19.84	4.95	.26	8.42	7.86	3.37	1.56	2.15	8.12
Eddy	5.10	(D)	(D)	7.45	1.00	9.49	14.03	13.43	11.68	15.53	16.45
Emmons	42.74	.73	(L)	11.70	2.30	4.47	6.92	7.23	3.52	7.85	12.48
Foster	12.20	.53	(D)	7.66	2.10	13.68	(D)	13.53	7.34	13.91	13.41
Golden Valley	31.55	1.08	10.19	5.31	2.23	7.26	7.43	10.68	4.43	10.26	10.68
Grand Forks	-2.81	.32	(D)	7.63	4.89	10.78	(D)	12.98	4.74	16.60	38.65
Grant	40.27	(D)	(D)	2.45	1.94	4.19	8.43	7.92	4.38	13.68	14.67
Griggs	-8.46	1.38	(L)	5.99	13.20	8.54	(D)	13.52	8.27	(D)	21.33
Hettinger	24.45	1.22	3.50	7.38	2.37	6.18	10.31	11.72	5.61	10.52	16.75
Kidder	38.60	1.32	(L)	5.15	1.32	9.86	8.53	9.38	3.34	5.71	16.51
LaMoure	-18.13	(D)	(D)	4.59	1.58	11.55	31.25	15.94	9.73	12.42	29.39
Logan	29.51	.90	(L)	5.47	1.64	1.64	16.21	8.03	5.50	11.19	19.67
McHenry	33.55	(D)	(D)	6.68	2.48	13.29	8.33	7.69	3.51	4.32	15.48
McIntosh	42.03	.49	(L)	1.47	4.88	4.58	7.79	7.68	5.03	14.06	11.83
McKenzie	17.65	(D)	44.51	8.45	.38	6.41	(D)	3.49	1.38	6.60	6.82
McLean	23.79	1.65	9.43	13.69	.91	14.14	5.64	6.86	2.90	7.94	13.05

TABLE 4.07--Continued

County	Farm	Non-Farm									
		Ag. Serv. Forestry, Fish. & Other	Mining	Con-struc-tion	Manu-fac-turing	Trans. & Pub. Util.	Whole-sale Trade	Retail Trade	Finance, Insur. & Real Estate	Services	Govern-ment
Mercer	6.41%	.12%	14.15%	50.62%	.47%	10.48%	2.42%	3.52%	1.59%	5.68%	4.55%
Morton	9.64	(D)	(D)	11.31	12.57	13.17	7.55	11.92	4.12	12.91	14.33
Mountrail	24.43	.27	4.82	4.98	3.35	6.63	6.76	11.58	3.69	12.62	20.87
Nelson	15.10	.75	0	8.10	4.24	10.23	14.40	9.90	7.23	12.89	17.16
Oliver	19347	(L)	(D)	20.47	(L)	(D)	1.05	1.46	.79	.80	6.14
Pembina	3.20	2.30	(L)	4.31	19.32	10.74	8.33	12.35	4.27	17.38	17.78
Pierce	13.78	.42	.76	3.96	5.72	11.53	8.34	13.95	4.48	24.27	12.77
Ramsey	9.81	.29	0	6.55	2.15	7.79	11.26	17.78	4.48	21.53	18.36
Ransom	-4.54	1.27	(L)	7.07	2.17	20.89	15.88	16.41	7.12	15.72	17.90
Renville	19.20	.36	16.39	4.40	.47	6.81	11.00	7.56	3.21	15.64	14.97
Richland	-25.55	(D)	(D)	7.40	33.28	11.18	13.27	12.73	6.06	15.28	25.02
Rolette	5.78	.11	.22	5.66	6.74	2.84	5.16	9.13	4.20	21.93	38.22
Sargent	-7.99	.43	0	2.98	64.24	10.70	(D)	4.98	3.17	(D)	10.63
Sheridan	49.26	(L)	(D)	6.39	2.16	(D)	5.36	5.70	5.36	7.74	14.41
Sioux	22.17	(L)	(L)	3.79	2.35	1.68	3.20	3.56	(D)	(D)	34.46
Slope	51.50	(L)	(D)	0	0	3.63	0	2.05	0	(D)	5.32
Stark	5.19	.31	11.51	9.33	6.49	11.37	8.16	14.90	4.98	16.44	11.33
Steele	-60.68	2.32	0	10.88	6.65	19.97	33.52	15.91	19.42	11.91	40.10
Stutsman	4.32	(D)	(D)	6.34	13.94	11.80	10.04	12.16	5.52	16.42	18.80
Towner	1.60	(D)	(L)	8.11	1.82	13.82	(D)	13.41	7.11	20.72	16.65
Traill	12.96	(D)	.32	2.99	12.01	5.84	(D)	9.88	5.67	17.43	16.83
Walsh	.12	(D)	(D)	7.29	2.75	9.71	13.81	14.53	8.39	15.58	24.51
Ward	4.73	.13	1.62	7.77	3.99	9.62	8.43	12.36	4.23	14.89	32.22
Wells	48.78	.32	(D)	2.75	.72	5.84	(D)	7.45	3.42	11.68	9.91
Williams	4.06	.29	29.27	7.41	4.07	10.30	9.45	9.58	3.49	14.86	7.22

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of Economic Anaysis, Regional Economics Information System.
(D) Deleted to avoid disclosure of confidential information.
(L) Raw data less than $50,000.

TABLE 4.10

TOTAL PERSONAL INCOME BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1959-1980 (Millions of Dollars)

County	1959	1965	1970	1975	1977	1978	1979	1980
NORTH DAK.	$956.2	$1,507.6	$1,990.0	$3,931.3	$4,005.8	$4,869.5	$5,353.6	$5,643.5
Adams	6.3	9.8	14.6	21.1	22.0	26.8	29.3	34.3
Barnes	24.8	35.9	44.6	92.9	79.3	91.6	102.7	101.7
Benson	9.1	18.1	22.3	57.9	38.4	63.1	62.2	59.1
Billings	2.2	2.4	3.8	4.9	6.2	8.7	9.8	11.6
Bottineau	14.7	28.2	31.3	63.2	66.3	83.8	86.0	84.5
Bowman	6.2	10.2	13.2	22.5	24.1	31.0	33.5	36.4
Burke	7.2	13.3	14.5	26.8	26.6	31.9	34.6	33.5
Burleigh	66.1	98.9	145.9	293.7	359.4	442.2	519.5	581.7
Cass	157.2	209.2	294.5	526.2	637.0	732.1	816.1	871.5
Cavalier	13.0	21.4	26.3	80.6	50.9	66.2	56.9	54.6
Dickey	7.9	13.7	19.8	43.3	40.2	49.5	54.8	50.1
Divide	7.2	12.7	16.0	28.9	26.5	32.8	33.3	30.2
Dunn	5.3	7.6	12.7	20.9	25.3	36.6	39.8	46.6
Eddy	6.5	9.9	11.6	21.5	21.5	26.5	27.5	25.0
Emmons	9.0	12.6	15.4	34.1	23.1	38.1	39.6	40.8
Foster	7.1	12.3	14.3	30.3	27.8	31.6	36.7	37.6
Golden Valley	4.2	7.3	10.3	15.2	14.4	19.8	21.0	24.7
Grand Forks	88.3	151.8	207.3	363.5	390.0	431.6	468.4	508.7
Grant	5.5	8.6	12.1	20.7	21.6	27.1	29.8	27.0
Griggs	6.8	10.6	12,3	27.4	20.7	25.5	24.8	24.2
Hettinger	7.2	11.7	16.4	22.9	25.5	28.6	30.2	31.0
Kidder	5.9	8.4	11.7	27.2	17.1	27.9	30.5	25.6
LaMoure	10.6	17.4	20.0	43.1	34.9	39.3	42.3	38.5
Logan	4.7	6.9	9.1	19.7	16.9	22.1	25.3	20.9
McHenry	12.5	21.2	26.4	55.5	41.8	62.1	68.4	61.2
McIntosh	6.3	10.1	13.4	29.6	25.2	33.9	36.5	37.1
McKenzie	8.6	13.9	20.4	37.5	36.9	50.8	59.9	69.9
McLean	14.6	28.3	34.3	79.7	75.6	106.9	114.9	118.1
Mercer	7.7	13.0	18.5	40.3	46.7	59.4	75.4	86.8
Morton	27.9	41.8	58.9	113.4	135.0	161.2	186.5	200.3

TABLE 4.12

PER CAPITA INCOME AND PERCENT OF NATIONAL AVERAGE BY STATE, 1969 AND 1980

State	1969	% of National Average	1980	% of National Average
United States	$3,714	100.0%	$ 9,511	100.0%
Alabama	2,699	72.7	7,434	78.2
Alaska	4,253	114.5	12,759	134.1
Arizona	3,366	90.6	8,814	92.7
Arkansas	2,556	68.8	7,185	75.5
California	4,282	115.3	10,929	114.9
Colorado	3,569	96.1	10,033	105.5
Connecticut	4,664	125.6	11,692	122.9
Delaware	4,289	115.5	10,291	108.2
Florida	3,474	93.5	8,993	94.6
Georgia	3,107	83.7	8,041	84.5
Hawaii	4,191	112.8	10,091	106.1
Idaho	3,078	82.9	8,176	86.0
Illinois	4,287	115.4	10,479	110.2
Indiana	3,647	98.2	8,924	93.8
Iowa	3,586	96.6	9,310	97.9
Kansas	3,523	94.9	9,864	103.7
Kentucky	2,878	77.5	7,662	80.6
Louisiana	2,854	76.8	8,456	88.9
Maine	3,040	81.9	7,868	82.7
Maryland	4,020	108.2	10,477	110.2
Massachusetts	4,073	109.7	10,118	106.4
Michigan	3,970	106.9	9,967	104.8
Minnesota	3,636	97.9	9,765	102.7
Mississippi	2,339	63.0	6,557	68.9
Missouri	3,462	93.2	8,865	93.2
Montana	3,144	84.7	8,652	91.0
Nebraska	3,560	95.9	9,086	95.5
Nevada	4,335	116.7	10,723	112.7
New Hamsphire	3,589	96.6	9,119	95.9
New Jersey	4,405	118.6	10,935	115.0
New Mexico	2,838	76.4	7,878	82.8
New York	4,408	118.7	10,252	107.8
North Carolina	2,999	80.7	7,832	82.3
NORTH DAKOTA	3,136	84.4	8,626	90.7
Ohio	3,815	102.7	9,460	99.5

TABLE 4.12--Continued

State	1969	% of National Average	1980	% of National Average
Oklahoma	$3,085	83.1%	$ 9,066	95.3%
Oregon	3,520	94.8	9,296	97.7
Pennsylvania	3,684	99.2	9,427	99.1
Rhode Island	3,690	99.4	9,429	99.1
South Carolina	2,756	74.2	7,265	76.4
South Dakota	2,930	78.9	7,818	82.2
Tennessee	2,896	78.0	7,702	81.0
Texas	3,292	88.6	9,528	100.2
Utah	2,960	79.7	7,681	80.8
Vermont	3,302	88.9	7,810	82.1
Virginia	3,441	92.6	9,406	98.9
Washington	3,969	106.9	10,355	108.9
West Virginia	2,735	73.6	7,814	82.2
Wisconsin	3,564	96.0	9,413	99.0
Wyoming	3,462	93.2	10,875	114.3
District of Columbia	4,434	119.4	12,050	126.7

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Survey of Current Business, April 1982.

TABLE 4.14

PER CAPITA INCOME BY NORTH DAKOTA COUNTY AND SMSAs* AS A PERCENT OF NATIONAL AVERAGE, SELECTED YEARS, 1970-1980

County	1970	1974	1975	1976	1977	1978	1979	1980
NORTH DAKOTA	82%	112%	105%	93%	89%	97%	95%	91%
Adams	97	128	97	77	85	96	94	100
Barnes	77	119	114	88	80	83	84	76
Benson	69	115	118	89	65	97	88	78
Billings	82	96	71	70	76	102	108	106
Bottineau	84	144	113	97	100	115	106	95
Bowman	86	145	94	81	82	91	91	90
Burke	78	152	111	95	93	103	103	92
Burleigh	91	101	106	102	102	112	112	111
Cass	101	118	110	111	107	109	107	104
Cavalier	79	126	122	81	79	99	82	75
Dickey	72	126	105	80	80	89	88	73
Divide	89	194	123	123	98	109	104	91
Dunn	66	103	79	82	81	106	102	106
Eddy	72	101	95	77	81	91	88	74
Emmons	54	83	88	62	52	78	75	73
Foster	75	127	110	102	85	87	92	86
Golden Valley	100	163	101	90	80	101	100	108
Grand Forks	85	96	98	92	84	84	82	81
Grant	61	92	75	74	68	78	80	66
Griggs	75	116	116	80	74	83	76	68
Hettinger	82	136	84	88	82	84	80	76
Kidder	69	97	112	71	59	88	91	70
LaMoure	72	129	110	77	75	79	75	62
Logan	55	97	88	64	66	78	82	63
McHenry	75	107	109	81	70	96	98	82
McIntosh	61	105	98	75	71	89	86	81
McKenzie	85	125	103	96	84	102	103	103
McLean	77	116	123	96	95	117	108	101
Mercer	76	103	106	85	84	104	103	97
Morton	73	88	89	84	83	86	88	83
Mountrail	68	112	90	82	74	89	90	81
Nelson	85	127	139	83	85	109	97	84
Oliver	77	95	88	94	68	86	78	80
Pembina	79	131	119	102	91	95	89	87
Pierce	72	113	107	81	70	92	87	78

TABLE 4.14--Continued

County	1970	1974	1975	1976	1977	1978	1979	1980
Ramsey	86%	115%	125%	102%	96%	108%	101%	96%
Ransom	79	128	101	94	89	90	95	75
Renville	80	155	124	96	91	107	98	86
Richland	72	126	94	80	79	80	81	68
Rolette	60	67	72	68	63	66	64	60
Sargent	74	123	103	71	81	80	85	72
Sheridan	74	121	113	89	51	94	91	76
Sioux	63	67	67	61	58	61	70	67
Slope	91	198	108	110	62	113	98	107
Stark	70	91	84	82	81	91	92	96
Steele	79	185	153	104	86	95	80	63
Stutsman	80	114	109	92	90	99	94	88
Towner	92	178	167	115	99	110	94	85
Traill	74	160	133	106	96	107	98	90
Walsh	74	125	115	86	85	86	83	78
Ward	85	98	101	98	94	98	97	98
Wells	77	136	127	99	85	127	119	107
Williams	87	117	111	106	101	110	114	118
SMSAs								
Bismarck/Mandan	85	97	101	97	96	104	105	103
Fargo/Moorhead, ND-MN	94	110	100	103	100	102	100	97
Grand Forks/East Grand Forks, ND-MN	84	101	98	90	83	89	83	84

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitan Statistical Area.

TABLE 4.17

TOTAL LABOR AND PROPRIETORS INCOME BY TYPE BY NORTH DAKOTA COUNTY, 1980 (Thousands of Dollars)

County	Wages & Salaries	Other Labor Income	Proprietors Income	
			Farm	Non-Farm
NORTH DAKOTA	$3,137,890	$242,753	$134,279	$421,907
Adams	12,760	1,062	2,757	3,259
Barnes	42,936	3,066	-9,370	7,604
Benson	18,834	1,294	8,501	4,761
Billings	18,075	1,143	2,917	634
Bottineau	26,251	2,010	10,947	6,655
Bowman	16,063	1,670	1,864	2,684
Burke	11,165	782	1,340	3,939
Burleigh	357,345	28,577	10,488	38,923
Cass	626,898	51,612	-17,601	73,929
Cavalier	17,230	1,439	-573	6,003
Dickey	19,561	1,788	1,126	4,206
Divide	8,763	794	1,491	2,834
Dunn	16,559	1,088	12,961	2,226
Eddy	8,286	623	0	3,402
Emmons	11,341	851	9,720	3,036
Foster	15,410	1,380	1,513	3,044
Golden Valley	8,293	624	4,305	2,171
Grand Forks	374,037	22,783	-18,206	35,067
Grant	6,801	510	4,836	2,283
Griggs	8,862	862	-1,707	2,051
Hettinger	9,997	772	2,418	2,406
Kidder	6,823	542	4,590	2,370
LaMoure	12,686	989	-4,036	4,181
Logan	5,232	414	2,403	1,568
McHenry	16,200	1,375	8,199	4,232
McIntosh	10,089	972	8,303	2,246
McKenzie	49,292	3,244	10,135	3,645
McLean	42,507	4,118	14,705	6,902
Mercer	88,583	7,215	6,165	3,836
Morton	95,088	9,234	10,662	10,135
Mountrail	20,873	1,717	6,905	4,249
Nelson	14,223	1,129	1,705	3,278
Oliver	15,019	1,802	3,543	796
Pembina	42,079	4,084	-5,693	8,472
Pierce	18,167	1,641	2,546	2,545

TABLE 4.17--Continued

County	Wages & Salaries	Other Labor Income	Proprietors Income	
			Farm	Non-Farm
Ramsey	$ 52,452	$ 4,022	$ 5,835	$12,465
Ransom	17,499	1,364	-2,203	3,855
Renville	8,922	620	2,150	3,687
Richland	67,617	6,195	-20,454	11,034
Rolette	35,702	2,443	1,715	4,706
Sargent	22,222	2,669	-2,953	2,190
Sheridan	3,774	292	4,797	1,812
Sioux	12,628	720	3,671	1,084
Slope	3,296	211	2,216	120
Stark	121,326	10,407	6,406	14,400
Steele	7,710	595	-4,740	1,877
Stutsman	109,255	9,674	3,061	13,418
Towner	11,252	908	-1,371	3,299
Traill	31,435	2,464	2,008	6,500
Walsh	52,381	3,933	-8,430	12,833
Ward	324,233	18,978	16,347	32,938
Wells	17,818	1,411	19,960	4,646
Williams	166,040	12,641	6,434	21,471

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.18

DERIVATION OF PERSONAL INCOME ON PLACE-OF-RESIDENCE BY NORTH DAKOTA COUNTY, 1980 (Thousands of Dollars)

County	Total Labor & Proprietor Income	Minus Social Insurance	Plus Residence Adjustment	Plus Dividends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Adams	$ 19,838	$ 1,153	$ 626	$ 10,772	$ 4,228	$ 34,311
Barnes	44,236	3,388	1,614	40,543	18,712	101,717
Benson	33,390	1,628	-317	16,872	10,754	59,071
Billings	22,769	1,178	-12,720	2,087	597	11,555
Bottineau	45,863	2,238	2,080	26,148	12,627	84,480
Bowman	22,281	1,267	-1,748	12,664	4,481	36,411
Burke	17,226	1,143	619	11,211	5,625	33,538
Burleigh	435,333	25,657	13,164	107,346	51,549	581,735
Cass	734,838	46,469	-90,468	185,688	87,902	871,491
Cavalier	24,099	1,736	229	22,889	9,107	54,588
Dickey	26,681	1,720	-369	16,428	9,100	50,120
Divide	13,882	824	876	11,772	4,489	30,195
Dunn	32,834	1,182	450	10,356	4,174	46,632
Eddy	12,282	940	210	8,200	5,270	25,022
Emmons	24,948	1,124	60	10,457	6,476	40,817
Foster	21,37	1,327	-292	12,187	5,705	37,620
Golden Valley	15,393	775	739	6,210	3,108	24,675
Grand Forks	413,681	27,380	-30,022	96,939	55,486	508,704
Grant	14,430	643	0	8,734	4,461	27,003
Griggs	10,068	749	0	10,023	4,769	24,156
Hettinger	15,593	897	249	10,632	5,410	30,987
Kidder	14,325	664	426	7,353	4,159	25,599
LaMoure	13,820	1,295	208	17,758	8,012	38,503
Logan	9,617	473	-178	7,419	4,549	20,934
McHenry	30,006	1,517	4,156	17,731	10,842	61,218
McIntosh	21,610	946	99	10,057	6,320	37,140
McKenzie	66,316	3,537	-13,685	14,954	5,896	69,944
McLean	68,232	3,375	11,742	26,490	15,036	118,125
Mercer	105,799	6,193	-34,807	12,944	9,016	86,759
Morton	125,119	7,264	19,607	37,569	25,317	200,348

TABLE 4.18--Continued

County	Total Labor & Propri-etor Income	Minus Social Insur-ance	Plus Res-idence Adjust-ment	Plus Div-idends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Mountrail	$ 33,744	$ 1,769	$ 2,458	$ 15,023	$ 9,739	$ 59,195
Nelson	20,335	1,303	-132	15,047	8,190	42,137
Oliver	21,160	977	-6,287	3,474	1,630	19,000
Pembina	48,942	3,254	-1,385	28,041	14,372	86,716
Pierce	24,899	1,492	-122	15,137	7,241	45,663
Ramsey	74,774	4,356	86	30,940	17,701	119,145
Ransom	20,515	1,593	3,358	16,726	8,728	47,734
Renville	15,379	865	-427	10,739	4,662	29,488
Richland	64,392	5,310	-184	41,916	23,088	123,902
Rolette	44,566	2,556	-1,464	10,728	18,150	69,424
Sargent	24,128	1,677	-3,016	11,324	6,935	37,694
Sheridan	10,675	375	361	6,513	3,288	20,462
Sioux	18,103	867	-685	1,834	4,713	23,098
Slope	5,843	178	1,371	3,832	988	11,856
Stark	152,539	9,168	9,339	43,541	20,353	216,604
Steele	5,442	639	502	9,728	3,762	18,795
Stutsman	135,408	8,186	-893	49,637	26,829	202,795
Towner	14,088	1,090	220	14,185	5,309	32,712
Traill	42,407	2,528	2,099	27,399	13,610	82,987
Walsh	60,717	3,979	-278	36,740	20,768	113,968
Ward	392,496	25,322	19,463	97,002	60,782	544,421
Wells	43,835	1,730	264	18,801	9,941	71,111
Williams	206,586	12,936	-13,656	48,439	22,759	251,192

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.10--Continued

County	1959	1965	1970	1975	1977	1978	1979	1980
Mountrail	$10.6	$20.0	$23.0	$43.2	$40.8	$53.3	$60.6	$59.2
Nelson	10.9	16.5	19.4	46.2	34.4	46.7	44.6	42.1
Oliver	2.3	4.3	7.0	12.2	11.4	16.2	16.6	19.0
Pembina	20.4	28.2	33.5	81.5	70.1	80.0	82.7	86.7
Pierce	8.2	15.6	18.1	41.0	32.1	45.9	47.5	45.7
Ramsey	21.5	34.4	43.6	97.5	89.8	111.0	113.6	119.1
Ransom	10.7	15.2	22.2	41.0	41.9	46.5	54.4	47.7
Renville	5.7	12.3	12.1	27.7	23.5	30.0	30.6	29.5
Richland	23.4	38.5	51.4	101.3	104.5	119.6	134.3	123.9
Rolette	11.6	19.6	27.3	52.3	54.7	64.4	67.9	69.4
Sargent	7.0	11.9	17.4	36.4	33.7	35.6	41.6	37.7
Sheridan	2.9	7.3	9.5	22.2	11.8	23.0	24.2	20.5
Sioux	3.0	5.2	9.0	15.8	15.7	18.2	22.3	23.1
Slope	2.2	3.6	5.3	8.1	5.2	10.7	10.2	11.9
Stark	25.9	37.9	54.5	99.7	118.3	151.3	178.5	216.6
Steele	7.1	11.2	11.5	30.7	20.2	24.4	22.2	18.8
Stutsman	35.5	55.2	74.6	150.0	148.8	182.9	195.8	202.8
Towner	10.0	15.4	16.9	42.1	30.2	36.5	33.7	32.7
Traill	18.0	25.0	27.9	72.1	65.0	79.5	82.8	83.0
Walsh	26.7	45.9	47.7	108.7	99.4	109.2	113.9	114.0
Ward	82.0	142.4	196.6	359.1	394.2	453.2	498.7	544.4
Wells	9.3	20.3	23.7	54.5	43.1	70.8	73.3	71.1
Williams	40.5	54.3	65.8	123.9	140.1	172.3	207.6	251.2

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.11

TOTAL PERSONAL INCOME IN NORTH DAKOTA BY PLANNING REGION AND SMSA,* SELECTED YEARS, 1959-1980 (Millions of Dollars)

Region	1959	1965	1970	1975	1977	1978	1979	1980
Region 1	$ 56.3	$ 80.9	$ 102.2	$ 190.3	$ 203.5	$ 255.9	$ 300.8	$ 351.3
Region 2	140.9	253.0	322.0	616.5	625.3	760.2	826.4	858.0
Region 3	71.7	118.8	148.0	351.9	285.5	367.7	361.8	359.9
Region 4	146.3	242.4	307.9	599.9	593.9	667.5	709.6	751.5
Region 5	223.4	311.0	424.9	807.7	902.3	1,037.7	1,151.4	1,182.6
Region 6	113.0	182.4	231.8	490.8	436.9	547.2	592.2	584.0
Region 7	144.9	228.4	322.3	659.3	717.4	920.2	1,059.3	1,142.9
Region 8	59.5	90.5	130.8	215.3	241.0	313.5	352.3	413.1
NORTH DAKOTA	956.2	1,507.6	1,990.0	3,931.3	4,005.8	4,869.5	5,353.6	5,643.5
SMSAs								
Bismarck/Mandan	NA	NA	204.9	407.1	494.4	603.4	706.0	782.1
Fargo/Moorhead (MN)	NA	NA	448.0	750.5	927.1	1,070.9	1,180.0	1,268.0
Grand Forks/East Grand Forks (MN)	NA	NA	317.6	560.9	587.4	697.9	727.1	804.4

SOURCE: Calculated from county data in U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitan Statistical Area.

TABLE 4.13

PER CAPITA PERSONAL INCOME IN CURRENT DOLLARS BY NORTH DAKOTA COUNTY, 1959-1980 (SELECTED YEARS) AND RANK BY COUNTY, 1980

County	1959	1965	1970	1975	1978	1979	1980	Rank 1980
NORTH DAKOTA	$1,547	$2,323	$3,216	$6,157	$7,432	$8,209	$8,626	
Adams	1,450	2,422	3,831	5,676	6,989	8,161	9,552	11
Barnes	1,521	2,229	3,038	6,684	8,061	7,233	7,269	36
Benson	982	2,065	2,707	6,884	6,432	7,632	7,418	33
Billings	1,459	1,698	3,217	4,120	9,754	9,332	10,127	6
Bottineau	1,331	2,793	3,313	6,593	7,777	9,122	9,026	16
Bowman	1,530	2,459	3,378	5,507	6,903	7,852	8,590	20
Burke	1,258	2,534	3,069	6,481	8,097	8,856	8,754	17
Burleigh	1,990	2,478	3,580	6,187	7,954	9,683	10,589	2
Cass	2,403	2,856	3,984	6,444	8,563	9,683	9,853	8
Cavalier	1,324	2,422	3,131	7,119	9,155	7,055	7,132	39
Dickey	994	1,848	2,846	6,147	7,505	7,593	6,938	42
Divide	1,326	2,564	3,511	7,193	7,721	8,973	8,622	18
Dunn	850	1,397	2,589	4,629	7,561	8,840	10,054	7
Eddy	1,354	2,181	2,833	5,534	6,693	7,567	7,025	41
Emmons	1,086	1,664	2,139	5,119	5,446	6,480	6,929	43
Foster	1,359	2,276	2,962	6,414	6,314	7,908	8,139	24
Golden Valley	1,402	2,720	3,929	5,893	8,494	8,599	10,294	3
Grand Forks	1,856	2,396	3,372	5,731	6,759	7,049	7,678	31
Grant	896	1,607	2,414	4,364	5,365	6,895	6,303	49
Griggs	1,377	2,385	2,959	6,754	6,765	6,558	6,488	46
Hettinger	1,165	2,108	3,250	4,913	6,447	6,949	7,232	38
Kidder	1,117	1,707	2,704	6,519	6,245	7,828	6,663	45
LaMoure	1,251	2,273	2,831	6,401	7,389	6,520	5,934	52
Logan	894	1,491	2,163	5,144	5,483	7,102	5,979	51
McHenry	1,157	2,132	2,948	6,364	7,002	8,441	7,773	28
McIntosh	968	1,658	2,421	5,703	6,691	7,461	7,720	29
McKenzie	1,208	2,200	3,335	5,996	8,203	8,907	9,784	9
McLean	1,068	2,250	3,030	7,167	8,133	9,344	9,590	10
Mercer	1,154	1,967	2,996	6,217	7,704	8,879	9,230	13
Morton	1,360	1,979	2,891	5,202	6,530	7,639	7,939	27

TABLE 4.13--Continued

County	1959	1965	1970	1975	1978	1979	1980	Rank 1980
Mountrail	$1,078	$2,201	$2,691	$5,287	$6,406	$7,745	$7,691	30
Nelson	1,592	2,392	3,354	8,116	7,737	8,396	8,034	26
Oliver	890	1,872	3,021	5,156	7,136	6,702	7,597	32
Pembina	1,614	2,370	3,109	6,955	7,741	7,727	8,320	22
Pierce	1,141	2,241	2,858	6,225	6,369	7,552	7,389	35
Ramsey	1,636	2,628	3,386	7,325	8,031	8,710	9,110	15
Ransom	1,358	1,964	3,126	5,924	7,469	8,247	7,110	40
Renville	1,246	2,878	3,157	7,223	8,203	8,431	8,155	23
Richland	1,271	2,064	2,842	5,509	6,707	6,987	6,436	47
Rolette	1,114	1,593	2,368	4,205	4,895	5,518	5,688	53
Sargent	1,051	1,837	2,929	6,011	7,421	7,355	6,822	44
Sheridan	687	2,072	2,906	6,609	6,006	7,878	7,241	37
Sioux	849	1,344	2,466	3,931	4,574	6,052	6,367	48
Slope	1,175	2,374	3,588	6,320	8,245	8,477	10,221	4
Stark	1,437	1,857	2,778	4,908	7,048	7,985	9,119	14
Steele	1,543	2,644	3,109	8,919	8,944	6,897	6,038	50
Stutsman	1,445	2,214	3,169	6,386	7,868	8,150	8,376	21
Towner	1,812	3,078	3,628	9,755	9,652	8,144	8,055	25
Traill	1,739	2,407	2,925	7,780	8,577	8,502	8,603	19
Walsh	1,516	2,487	2,930	6,716	6,761	7,138	7,397	34
Ward	1,783	2,381	3,336	5,908	7,289	8,417	9,302	12
Wells	1,031	2,387	3,025	7,438	7,304	10,266	10,166	5
Williams	1,879	2,687	3,420	6,466	8,317	9,844	11,270	1

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, _Regional Economics Information System_.

TABLE 4.15

MEAN COUNTY PER CAPITA INCOME IN NORTH DAKOTA BY PLANNING REGION AND SMSA,* SELECTED YEARS, 1959-1980

Region	1959	1965	1970	1975	1978	1979	1980
Region 1	$1,471	$2,484	$3,422	$6,552	$8,080	$9,241	$9,892
Region 2	1,285	2,451	3,053	6,297	7,306	8,366	8,299
Region 3	1,370	2,328	3,009	6,804	7,476	7,371	7,405
Region 4	1,644	2,411	3,191	6,880	7,250	7,578	7,857
Region 5	1,560	2,295	3,319	6,764	7,947	7,945	7,477
Region 6	1,204	1,848	2,824	6,341	7,042	7,643	7,445
Region 7	1,110	1,894	2,815	5,647	6,509	7,738	7,845
Region 8	1,308	2,129	3,320	5,246	7,680	8,274	9,399
SMSAs							
Bismarck/Mandan	NA	NA	3,351	5,677	8,002	9,044	9,755
Fargo/Moorhead, ND-MN	NA	NA	3,712	5,821	7,861	8,612	9,195
Grand Forks/East Grand Forks, ND-MN	NA	NA	3,310	5,711	6,895	7,171	7,950

SOURCE: Computed from county data in U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

*SMSA--Standard Metropolitan Statistical Area.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 4.16

PERSONAL INCOME BY MAJOR SOURCES: THE UNITED STATES AND NORTH DAKOTA, SELECTED YEARS, 1929-1980 (Millions of Dollars)

United States	Wages & Salaries	Other Labor Income	Propri-etors Income	Dividends, Interest & Rent	Transfer Payments	Minus Soc. Ins. & Residence Adjustment	Personal Income by Residence (Total)
1929	$ 50,331	$ 561	$ 15,108	$ 18,446	$ 1,496	$ 139	$ 85,803
1940	49,651	687	13,045	12,281	3,114	656	78,123
1950	145,297	3,822	37,475	27,394	15,072	2,863	226,197
1960	269,800	11,997	46,209	52,703	28,487	9,249	399,947
1970	541,831	32,480	65,904	111,347	80,149	27,789	803,922
1974	760,084	55,817	88,014	164,976	141,221	47,909	1,162,203
1975	800,828	64,489	89,327	176,145	178,308	50,454	1,258,643
1976	884,487	75,823	93,583	192,542	194,273	55,507	1,385,201
1977	977,949	88,990	103,418	215,325	207,472	61,141	1,532,013
1978	1,100,827	102,124	116,407	243,665	223,272	69,685	1,716,610
1979	1,231,884	118,552	131,780	288,760	249,392	80,617	1,939,751
1980	1,348,605	137,058	126,032	342,503	294,240	87,809	2,160,629
NORTH DAKOTA							
1929	$ 133	$ 1	$ 82	$ 26	$ 5	$ 1	$ 246
1940	108	1	80	19	11	1	218
1950	332	7	343	67	49	8	792
1960	560	19	313	155	83	22	1,081
1970	1,060	46	420	364	213	113	1,990
1974	1,611	89	1,325	704	704	205	3,886
1975	1,807	114	1,049	768	424	231	3,931
1976	2,059	136	674	747	468	255	3,829
1977	2,223	154	530	837	517	255	4,006
1978	2,548	178	883	989	559	288	4,870
1979	2,872	210	825	1,164	614	331	5,354
1980	3,138	243	556	1,347	717	357	5,643

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.19

MEDIAN INCOME OF HOUSEHOLDS AND FAMILIES FOR NORTH DAKOTA COUNTIES, 1979

County	Households	Families	County	Households	Families
NORTH DAKOTA	$15,293	$18,024			
Adams	13,933	16,271	Mountrail	$12,871	$15,316
Barnes	13,998	17,101	Nelson	11,755	14,931
Benson	12,827	14,760	Oliver	16,792	18,618
Billings	20,257	22,241	Pembina	13,997	16,463
Bottineau	13,169	15,232	Pierce	12,141	15,472
Bowman	13,807	17,342	Ramsey	15,243	17,641
Burke	12,039	14,626	Ransom	13,654	16,242
Burleigh	19,090	22,026	Renville	13,497	16,250
Cass	17,621	21,739	Richland	15,589	18,145
Cavalier	14,570	16,992	Rolette	11,188	12,692
Dickey	11,932	14,816	Sargent	14,190	16,516
Divide	14,060	16,458	Sheridan	11,590	12,558
Dunn	12,676	14,271	Sioux	11,468	12,057
Eddy	12,724	15,630	Slope	12,147	13,606
Emmons	10,983	12,840	Stark	16,650	19,222
Foster	14,230	15,810	Steele	16,115	18,180
Golden Valley	14,219	17,818	Stutsman	15,064	18,300
Grand Forks	15,478	18,307	Towner	14,462	16,670
Grant	9,400	10,696	Traill	15,397	18,235
Griggs	13,278	15,850	Walsh	12,544	15,223
Hettinger	11,775	13,489	Ward	15,517	17,633
Kidder	10,455	11,586	Wells	12,178	14,849
LaMoure	12,209	14,432	Williams	18,768	21,085
Logan	10,423	12,018			
McHenry	11,478	13,664			
McIntosh	10,132	12,220			
McKenzie	15,428	17,110			
McLean	15,178	17,355			
Mercer	18,680	20,703			
Morton	16,438	18,798			

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1980 Census of Population and Housing North Dakota.

TABLE 4.21

FEDERAL INDIVIDUAL INCOME TAX ITEMS FOR NORTH DAKOTA, 1980
(Thousands of Dollars)

Size of Adjusted Gross Income	Adjusted Number of Returns	Gross Income Less Deficit	Salaries & Wages	Total Income Tax
Total	270,773	$3,979,672	$2,958,614	$561,835
Under $5,000	67,217	12,361	131,492	1,622
$ 5,000 under $ 10,000	53,103	399,872	286,975	25,189
$ 10,000 under $ 15,000	42,257	526,316	413,975	44,096
$ 15,000 under $ 20,000	30,503	519,467	380,376	51,424
$ 20,000 under $ 25,000	29,675	664,126	494,144	79,712
$ 25,000 under $ 30,000	18,579	507,355	418,443	72,211
$ 30,000 under $ 50,000	22,612	810,581	569,756	131,423
$ 50,000 under $100,000	5,743	370,294	172,857	136,616*
$100,000 under $200,000	937	124,406	75,311	*
$200,000 under $500,000	139	39,226	14,295	16,836
$500,000 under $1,000,000*	8	5,667	989	2,705
$1,000,000 or more	*	*	*	*

SOURCE: Internal Revenue Service, _Individual Income Tax Returns_, Statistics of Income 1980.

* Data combined to avoid disclosure of information for specific taxpayers.

Note: All figures based on samples.

TABLE 4.22

PERSONAL WEALTH--ASSETS AND NET WORTH OF TOP WEALTHHOLDERS BY STATE, 1972

	Number of Top Wealthholders (1,000)			Total Assets	Percent	
State	Total	Male	Female	Total (bil. $)	Corporate Stock	Real Estate
Total	12,815.2	7,809.6	5,005.7	$2,151.9	29.2%	30.0%
Ala.	123.5	75.4	48.1	21.3	27.2	34.4
Alaska	8.8	7.7	1.1	1.5	22.4	47.4
Ariz.	87.6	55.0	32.6	17.6	32.9	27.5
Ark.	54.9	35.1	19.8	9.6	22.3	32.3
Calif.	1,237.6	609.6	628.0	242.4	29.6	29.9
Colo.	178.6	99.9	78.7	25.4	26.2	31.1
Conn.	266.6	143.2	123.4	57.8	37.9	23.6
Del.	42.5	21.3	21.1	7.3	17.8	31.8
D.C.	(*)	(*)	(*)	(*)	(*)	(*)
Fla.	572.4	334.5	237.9	131.0	34.6	26.1
Ga.	219.1	161.2	57.9	44.1	24.4	36.8
Hawaii	53.7	37.5	16.3	7.9	23.6	40.4
Idaho	67.6	22.4	45.3	7.5	22.3	35.7
Ill.	834.2	445.6	388.6	132.2	24.9	31.1
Ind.	350.2	230.1	120.1	45.3	23.2	33.9
Iowa	328.8	204.0	124.9	38.7	14.8	42.7
Kans.	183.1	125.4	57.7	31.3	25.4	35.4
Ky.	135.7	86.2	49.6	24.6	26.5	27.2
La.	125.9	68.1	57.8	23.0	32.2	32.8
Maine	76.7	55.8	20.9	12.0	31.1	25.0
Md.*	200.7	125.9	74.8	43.6	33.0	28.5
Mass.	344.0	210.9	133.1	62.3	27.8	22.7
Mich.	382.3	259.8	122.5	65.3	28.8	29.6
Minn.	350.1	240.6	109.5	40.9	19.6	32.3
Miss.	93.7	53.7	40.0	14.1	19.7	40.1
Mo.	205.1	144.5	60.6	40.6	32.5	26.2
Mont.	77.3	46.0	31.4	11.1	16.5	38.6
Nebr.	184.5	131.4	53.2	24.3	10.0	43.5
Nev.	17.2	8.5	8.7	4.5	26.7	38.9
N.H.	40.7	15.3	25.4	7.7	32.0	24.5
N.J.	597.9	379.5	218.4	100.6	34.5	27.9
N. Mex.	50.7	43.5	7.3	7.6	36.4	30.6
N.Y.	1,581.7	1,015.4	566.3	236.6	34.0	24.4
N.C.	244.5	178.0	66.5	37.7	28.4	37.8
N. DAK.	89.5	56.9	32.6	10.0	7.0	52.4

TABLE 4.22--Continued

	Number of Top Wealthholders (1,000)			Total Assets		
					Percent	
State	Total	Male	Female	Total (bil $)	Corporate Stock	Real Estate
Ohio	667.1	417.2	249.9	$115.1	35.5%	24.0%
Okla.	147.6	98.7	49.0	20.4	20.9	41.2
Oreg.	95.4	65.9	29.5	17.0	26.4	30.3
Pa.	560.9	320.7	240.2	92.6	36.5	24.5
R.I.	46.2	25.2	20.9	6.7	28.3	30.0
S.C.	113.6	84.7	29.0	17.1	19.8	46.9
S. Dak.	42.8	31.5	11.3	6.2	15.2	34.5
Tenn.	205.3	137.9	67.4	29.4	27.4	32.2
Tex.	563.2	310.1	253.1	119.4	24.8	38.8
Utah	28.4	20.0	8.4	4.7	21.3	35.0
Vt.	26.7	21.0	5.6	3.0	30.3	27.0
Va.	242.2	142.1	100.1	40.7	29.7	34.4
Wash.	187.5	81.7	105.8	27.0	28.5	28.4
W. Va.	52.2	23.8	28.3	7.9	33.8	25.0
Wis.	392.0	280.3	111.8	49.2	27.8	27.4
Wyo.	15.6	7.7	7.9	4.5	23.9	37.0
Other Areas	20.7	13.1	7.6	3.7	28.3	21.1

SOURCE: Statistical Abstract of the United States, 1981.

Note: Estimates based on estate tax returns showing gross assets of $60,000 or more filed with Internal Revenue Service.

* District of Columbia included with Maryland.

5.00

LABOR FORCE, EMPLOYMENT, AND EARNINGS

Labor market statistics are among the most widely used and readily available measures of economic activity and general welfare. Frequent users of labor force data include public policymakers, business firms making relocation decisions, and educational institutions seeking a basis for program planning. In recent years employment statistics have taken on increasing significance for state and local planners due to the federal government's practice of formula-funding "revenue sharing" programs partly on the basis of relative levels of unemployment. Another growing use of labor force data is in designing and carrying out affirmative action and other human resource development programs.

There are a number of excellent source documents for labor force statistics. Job Service North Dakota (formerly the North Dakota Employment Security Bureau) publishes a monthly bulletin entitled North Dakota Labor Market Advisor with estimates of the labor force, unemployment, and employment by industry for the state. Annualized data on employment, earnings, benefits and hours worked can be obtained from Job Service's Annual Report.

Employment statistics for North Dakota counties are available from computer printouts of data contained in the Regional Economics Information System of the U.S. Commerce Department's Bureau of Economic Analysis. Principal source of this data is Job Service North Dakota.

U.S. Bureau of Labor Statistics publications referenced in this section include Employment and Earnings, published monthly, the annual Handbook of Labor Statistics, and the Directory of National Unions and Employee Associations. Additional sources of data contained in this section are the North Dakota Crop and Livestock Reporting Service's North Dakota Agricultural Statistics, which reports farm wages, and the U.S. Department of Commerce's County Business Patterns, which includes county-level data on taxable payrolls by industry.

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TABLE 5.01

NORTH DAKOTA LABOR FORCE, EMPLOYMENT STATUS AND UNEMPLOYMENT RATE, 1970-1981

Year	Labor Force	Number Employed	Number Unemployed	Unemployment Rate
1970	238,740	227,620	11,120	4.7%
1971	244,550	231,460	13,090	5.4
1972	253,500	241,030	12,470	4.9
1973	259,540	247,280	12,260	4.7
1974	271,540	259,150	12,390	4.6
1975	280,830	266,320	14,510	5.2
1976	295,350	280,380	14,970	5.1
1977	309,600	292,720	16,880	5.5
1978	317,240	303,550	13,690	4.3
1979	325,210	312,150	13,060	4.0
1980	329,280	312,770	16,510	5.0
1981	332,380	315,920	16,460	5.0

SOURCE: Data supplied by Job Service North Dakota (not Current Population Survey adjusted).

TABLE 4.20

PERSONS BELOW POVERTY LEVEL BY NORTH DAKOTA COUNTY, 1979

	Persons for Whom Poverty Status is Determined						
		Income In 1979 Below Poverty Level					
					Related Children		
County	Total	Total	%	65 Years and Over	Under 18 Years	5 to 17 Years	Income Less than 125% of Poverty Level
NORTH DAKOTA	627,325	79,317	12.6%	12,540	27,065	18,827	112,228
Adams	3,494	597	17.1	88	198	156	790
Barnes	13,312	1,778	13.4	272	552	400	2,692
Benson	7,854	1,826	23.2	207	867	574	2,381
Billings	1,138	216	19.0	8	114	87	269
Bottineau	8,841	1,109	12.5	217	320	228	1,715
Bowman	4,171	557	13.4	88	206	169	792
Burke	3,806	686	18.0	135	239	184	932
Burleigh	53,650	4,234	7.9	641	1,362	910	5,688
Cass	84,655	7,712	9.1	1,011	1,798	1,183	10,525
Cavalier	7,527	1,003	13.3	181	310	221	1,592
Dickey	6,737	1,250	18.6	192	443	326	1,837
Divide	3,383	361	10.7	112	81	43	553
Dunn	4,616	974	21.1	83	440	348	1,336
Eddy	3,495	459	13.1	122	147	108	696
Emmons	5,798	1,429	24.6	261	541	434	2,023
Foster	4,502	525	11.7	83	188	135	824
Golden Valley	2,344	337	14.4	48	124	84	523
Grand Forks	60,039	6,601	11.0	695	2,088	1,181	9,690
Grant	4,268	1,381	32.4	193	569	432	1,739
Griggs	3,662	450	12.3	121	116	72	667
Hettinger	4,178	874	20.9	67	370	282	1,219
Kidder	3,792	1,082	28.5	115	408	296	1,416
LaMoure	6,273	1,059	16.9	146	376	274	1,495
Logan	3,449	785	22.8	134	302	206	1,061
McHenry	7,835	1,439	18.4	345	417	341	2,106
McIntosh	4,713	1,144	24.3	274	350	264	1,413
McKenzie	7,027	1,028	14.6	109	408	294	1,459

TABLE 4.20--Continued

County	Persons for Whom Poverty Status is Determined						Income Less than 125% of Poverty Level
	Total	Income in 1979 Below Poverty Level					
		Total	%	65 Years and Over	Related Children		
					Under 18 Years	5 to 17 Years	
McLean	12,305	1,601	13.0%	386	484	353	2,438
Mercer	9,177	963	10.5	161	323	236	1,254
Morton	24,713	2,632	10.7	495	896	697	3,871
Mountrail	7,494	1,220	16.3	168	499	337	1,679
Nelson	5,049	791	15.7	184	223	163	1,230
Oliver	2,490	372	14.9	53	130	107	452
Pembina	10,170	1,234	12.1	289	392	267	1,742
Pierce	6,006	878	14.6	195	320	244	1,337
Ramsey	12,551	1,175	9.4	233	379	231	1,947
Ransom	6,430	765	11.9	158	273	195	1,138
Renville	3,551	593	16.7	61	244	192	856
Richland	17,434	1,956	11.2	407	474	275	2,909
Rolette	11,763	3,554	30.2	227	1,808	1,254	4,524
Sargent	5,447	576	10.6	129	176	126	880
Sheridan	2,786	644	23.1	69	237	163	862
Sioux	3,591	1,167	32.5	73	586	415	1,487
Slope	1,155	264	22.9	30	99	82	338
Stark	22,833	2,687	11.8	471	969	779	3,380
Steele	3,104	371	12.0	51	114	82	526
Stutsman	22,861	2,631	11.5	567	850	558	3,626
Towner	3,976	619	15.6	98	225	156	818
Traill	9,043	806	8.9	232	192	119	1,289
Walsh	14,324	2,211	15.4	506	740	553	3,194
Ward	55,784	5,615	10.1	759	2,092	1,266	8,801
Wells	6,850	1,181	17.2	217	410	315	1,600
Williams	21,879	1,915	8.8	373	596	430	2,617

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1980 Census of Population and Housing North Dakota.

TABLE 5.02

LABOR FORCE, UNEMPLOYMENT, AND EMPLOYMENT BY INDUSTRY, NORTH DAKOTA, 1970-1981

Item[1]	1970	1976	1977	1978	1979	1980	1981
Total Civilian Labor Force	238,740	295,350	309,600	317,240	325,210	329,280	332,380
Unemployment	11,120	14,970	16,880	13,690	13,060	16,510	16,460
Rate of Unemployment	4.7%	5.1%	5.5%	4.3%	4.0%	5.0%	5.0%
Total Employment	227,620	280,380	292,720	303,550	312,150	312,770	315,920
Total Ag. Employment[2]	51,920	51,250	56,750	54,270	52,450	52,680	52,270
Ag. Self-Employed	42,750	41,750	46,330	44,130	42,520	42,860	42,470
Ag. Wage & Salary	9,170	9,500	10,420	10,140	9,930	9,820	9,800
Total Non-Ag. Emp.	175,700	229,130	235,970	249,280	259,700	260,090	263,650
Non-Ag. Self Emp.	26,790	31,640	32,900	34,320	35,030	34,520	34,810
Adj. Wage & Salary Emp.	148,910	197,490	203,070	214,960	224,670	225,570	228,840
Conceptual Diff.[3]	-14,320	-17,470	-18,020	-19,050	-19,520	-19,650	-19,720
Wage & Salary Emp.[4]	163,230	214,960	221,090	234,010	244,190	245,220	248,560
Mining	1,610	2,520	3,060	4,250	5,720	7,840	10,850
Construction	9,790	15,860	16,450	18,500	18,670	16,500	14,820
Manufacturing	9,910	16,150	15,300	15,730	16,650	15,570	15,290
Trans., Comm., Util.	12,200	13,150	13,760	14,830	16,130	16,780	17,110
Wholesale Trade	43,890*	17,950	18,750	20,080	21,320	20,630	21,060
Retail Trade		42,760	43,550	44,650	46,280	46,150	45,230
Fin., Ins., Real Est.	7,040	9,140	9,880	10,480	11,010	11,450	11,750
Services	29,550	41,230	42,810	45,530	47,820	49,360	51,940
Government	49,240	56,200	57,530	59,960	60,590	60,940	60,510

SOURCE: Job Service North Dakota, Research and Statistics Section, Form NDRS - 31a, (not Current Population Survey adjusted).

[1] Agricultural estimates rounded to the nearest thousand. All other estimates rounded to the nearest 10.

[2] Derived from estimates prepared by the Statistical Reporting Service, U.S. Dept. of Agriculture.

[3] Converts employment from number of jobs by place of work to persons working by place of residence.

[4] Prepared in cooperation with the U.S. Dept. of Labor.

* Combined wholesale and retail trade.

TABLE 5.03

NORTH DAKOTA LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT BY PLANNING REGION AND COUNTY, 1979-1981

Region and County	1979			1980			1981		
	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.
Divide	1,770	1,730	40	1,751	1,713	38	1,733	1,689	44
McKenzie	3,260	3,164	96	3,610	3,502	108	4,264	4,119	145
Williams	11,262	10,991	271	12,167	11,875	292	14,009	13,672	337
Region 1 Total	16,292	15,885	407	17,528	17,090	438	20,006	19,480	526
Bottineau	4,424	4,222	202	4,464	4,261	203	4,324	4,162	162
Burke	2,079	2,029	50	2,096	2,029	67	2,087	2,022	65
McHenry	3,667	3,382	285	3,661	3,337	324	3,450	3,171	279
Mountrail	3,989	3,801	188	3,986	3,822	164	3,888	3,687	201
Pierce	3,288	3,177	111	3,288	3,161	127	3,246	3,135	111
Renville	1,806	1,753	53	1,705	1,656	49	1,716	1,664	52
Ward	25,994	24,904	1,090	25,939	24,604	1,335	26,011	24,639	1,372
Region 2 Total	45,247	43,268	1,979	45,139	42,870	2,269	44,722	42,480	2,242
Benson	3,481	3,286	195	3,689	3,406	283	3,414	3,171	243
Cavalier	4,032	3,860	172	3,874	3,713	161	3,784	3,628	156
Eddy	1,940	1,784	156	1,900	1,753	147	1,801	1,662	139
Ramsey	7,253	6,997	256	7,118	6,817	301	7,135	6,829	306
Rolette	5,209	4,652	557	5,216	4,610	606	5,028	4,474	554
Towner	2,216	2,166	50	2,216	2,159	57	2,210	2,160	50
Region 3 Total	24,131	22,745	1,386	24,013	22,458	1,555	23,372	21,924	1,448
Grand Forks	28,516	27,332	1,184	28,398	26,928	1,470	28,485	26,975	1,510
Nelson	3,006	2,894	112	2,944	2,808	136	2,900	2,786	114
Pembina	6,082	5,719	363	5,945	5,552	393	6,242	5,870	372
Walsh	8,968	8,562	406	8,736	8,317	419	8,591	8,212	379
Region 4 Total	46,572	44,507	2,065	46,023	43,605	2,418	46,218	43,843	2,375
Cass	46,752	45,248	1,474	46,760	44,896	1,864	47,456	45,442	2,014
Ransom	3,335	3,222	113	3,431	3,277	154	3,176	3,049	127
Richland	9,007	8,618	389	9,299	8,740	559	9,346	8,838	508
Sargent	2,705	2,614	91	2,895	2,675	220	2,939	2,777	162
Steele	1,605	1,550	55	1,596	1,536	60	1,525	1,489	36
Traill	5,044	4,826	218	5,015	4,794	221	5,016	4,783	233
Region 5 Total	68,448	66,108	2,340	68,996	65,918	3,078	69,458	66,378	3,080

TABLE 5.03--Continued

Region and County	1979			1980			1981		
	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.
Barnes	7,065	6,818	247	7,165	6,843	322	6,911	6,571	340
Dickey	3,771	3,689	82	3,822	3,701	121	3,725	3,621	104
Foster	2,400	2,311	89	2,422	2,320	102	2,378	2,286	92
Griggs	1,898	1,836	62	1,852	1,799	53	1,867	1,806	61
LaMoure	2,892	2,816	76	2,914	2,812	102	2,859	2,755	104
Logan	1,730	1,655	75	1,730	1,644	86	1,668	1,591	77
McIntosh	2,580	2,487	93	2,604	2,494	110	2,568	2,472	96
Stutsman	13,110	12,628	482	12,850	12,192	658	12,541	11,917	624
Wells	3,567	3,412	155	3,748	3,578	170	3,631	3,458	173
Region 6 Total	39,013	37,652	1,361	39,107	37,383	1,724	38,148	36,477	1,671
Burleigh	29,952	28,863	1,089	31,325	29,677	1,648	29,378	27,665	1,713
Emmons	2,734	2,600	134	2,728	2,545	183	2,702	2,529	173
Grant	1,937	1,859	78	1,918	1,824	94	1,879	1,788	91
Kidder	1,703	1,610	93	1,740	1,604	136	1,698	1,568	130
McLean	6,974	6,650	324	6,646	6,224	422	5,988	5,538	450
Mercer	4,721	4,514	207	5,681	5,363	318	6,371	5,980	391
Morton	10,920	10,385	535	11,428	10,518	910	13,533	12,600	933
Oliver	1,185	1,127	58	1,208	1,119	89	1,328	1,249	79
Sheridan	1,437	1,368	69	1,442	1,359	83	1,362	1,297	65
Sioux	1,417	1,303	114	1,458	1,308	150	1,531	1,352	179
Region 7 Total	62,980	60,279	2,701	65,574	61,541	4,033	65,770	61,566	4,204
Adams	2,138	2,102	36	2,120	2,077	43	2,156	2,115	41
Billings	865	836	29	1,069	1,046	23	1,313	1,284	29
Bowman	2,312	2,262	50	2,278	2,227	51	2,305	2,249	56
Dunn	2,245	2,125	120	2,233	2,120	113	2,408	2,292	116
Golden Valley	1,330	1,283	47	1,321	1,281	40	1,390	1,351	39
Hettinger	2,104	2,029	75	2,109	2,040	69	2,059	1,986	73
Slope	572	551	21	590	572	18	636	616	20
Stark	10,966	10,521	445	11,604	11,116	488	12,413	11,871	542
Region 8 Total	22,532	21,709	823	23,324	22,479	845	24,680	23,764	916

SOURCE: Job Service North Dakota, Research and Statistics Section, Form NDRS - 31d (Annual Averages, not Current Population Survey adjusted).

Note: Refer to page 2 for North Dakota Planning and Development Regions.

TABLE 5.04

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, UNITED STATES AND NORTH DAKOTA, 1980

Industry	United States	Percentage Distribution United States	North Dakota	Percentage Distribution North Dakota
Total Employment	106,412,300	100.0%	336,553	100.0%
Number of Proprietors	9,778,000	9.2	70,011	20.8
Farm	2,771,000	2.6	44,143	13.1
Non-Farm	7,007,000	6.6	25,868	7.7
Total Wage & Salary Employment	96,634,300	90.8	266,542	79.2
Farm	1,336,300	1.3	9,389	2.8
Non-Farm	95,298,000	89.6	257,153	76.4
Private	76,497,000	72.9	189,811	56.4
Ag. Serv., For., Fish., Other	565,000	.5	1,745	.5
Mining	1,029,000	1.0	7,702	2.3
Construction	4,332,000	4.1	16,440	4.9
Manufacturing	20,375,000	19.1	15,543	4.6
Non-Durable Goods	8,124,000	7.6	7,788	2.3
Durable Goods	12,251,000	11.5	7,755	2.3
Transportation & Public Utilities	5,156,000	4.8	16,827	5.0
Wholesale Trade	5,291,000	5.0	20,370	6.1
Retail Trade	15,086,000	14.2	46,367	13.8
Finance, Ins., & Real Estate	5,268,000	5.0	11,484	3.4
Services	19,395,000	18.2	53,333	15.8
Government	18,801,000	17.7	67,342	20.0
Federal, Civilian	2,988,000	2.8	9,868	2.9
Federal, Military	2,451,000	2.3	14,969	4.4
State and Local	13,362,000	12.6	42,505	12.6

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 5.05

NORTH DAKOTA EMPLOYMENT BY PLACE OF WORK BY COUNTY, 1980

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Non-Farm Private	Government
Adams	1,929	727	502	225	1,202	91	912	199
Barnes	6,336	1,899	1,317	582	4,437	219	3,097	1,121
Benson	3,399	1,378	1,049	329	2,021	183	1,362	476
Billings	1,308	305	278	27	1,003	27	855	(L)
Bottineau	4,198	1,655	1,234	421	2,543	218	1,613	712
Bowman	2,134	649	394	255	1,485	82	1,137	266
Burke	1,838	871	679	192	967	73	588	306
Burleigh	31,393	3,082	847	2,235	28,311	228	21,551	6,532
Cass	54,116	4,763	1,592	3,171	49,353	562	39,238	9,553
Cavalier	3,285	1,515	1,137	378	1,770	143	1,198	429
Dickey	3,469	1,178	801	377	2,291	191	1,635	465
Divide	1,798	883	719	164	915	95	600	220
Dunn	2,220	973	805	168	1,247	116	840	291
Eddy	1,533	579	405	174	954	66	662	226
Emmons	2,424	1,231	964	267	1,193	79	740	374
Foster	2,150	605	379	226	1,545	109	1,120	316
Golden Valley	1,286	450	301	149	836	57	624	155
Grand Forks	35,105	2,892	1,193	1,699	32,213	676	18,575	12,962
Grant	1,837	1,063	850	213	774	97	442	235
Griggs	1,709	780	560	220	929	83	621	225
Hettinger	1,947	869	632	237	1,078	138	665	275
Kidder	1,535	802	631	171	733	90	392	251
LaMoure	2,747	1,308	941	367	1,439	145	854	440
Logan	1,474	810	677	133	664	44	396	224
McHenry	3,097	1,531	1,177	354	1,566	191	888	487
McIntosh	2,313	948	701	247	1,365	74	994	297
McKenzie	4,368	1,155	925	230	3,213	153	2,653	407
McLean	5,352	1,899	1,365	534	3,453	150	2,505	798
Mercer	6,020	989	674	315	5,031	61	4,490	480
Morton	10,182	2,128	1,113	1,015	8,054	133	6,260	1,661

TABLE 5.08

NUMBER OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, BY EMPLOYMENT SIZE CLASS, 1980

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
NORTH DAKOTA	16,386							
Adams	108	71	19	11	5	1	1	*
Barnes	338	177	85	35	33	6	2	-
Benson	128	94	21	10	2	--	--	1
Billings	12	6	2	3	1	--	--	-
Bottineau	225	150	39	22	12	1	1	-
Bowman	153	98	24	21	5	3	2	-
Burke	95	70	18	6	1	--	--	-
Burleigh	1,546	795	309	210	162	35	25	10
Cass	2,505	1,155	534	371	298	76	60	11
Cavalier	189	127	35	18	5	4	--	-
Dickey	198	127	35	17	13	6	--	--
Divide	97	67	19	8	3	--	--	-
Dunn	74	52	11	7	2	2	--	-
Eddy	100	60	27	10	2	1	--	-
Emmons	130	92	24	9	3	2	--	-
Foster	171	118	25	19	7	2	--	-
Golden Valley	81	60	10	6	5	--	--	-
Grand Forks	1,380	690	322	200	105	45	12	6
Grant	85	61	20	3	--	--	1	-
Griggs	93	65	12	12	3	1	--	-
Hettinger	117	73	28	10	5	1	--	-
Kidder	68	50	14	2	2	--	--	-
LaMoure	152	102	24	20	6	--	--	-
Logan	80	57	14	6	1	1	1	-
McHenry	137	96	26	7	5	1	--	-
McIntosh	140	108	16	10	2	4	--	-
McKenzie	133	76	27	18	8	4	--	-
McLean	254	170	46	28	5	4	1	-
Mercer	179	101	38	18	16	3	3	-
Morton	522	273	121	69	41	13	5	-

TABLE 5.08--Continued

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
Mountrail	201	134	31	25	6	4	1	-
Nelson	149	100	29	12	6	2	--	-
Oliver	22	14	6	1	--	--	--	-
Pembina	300	205	56	23	12	--	2	2
Pierce	150	98	20	16	12	3	--	1
Ramsey	379	206	86	50	29	6	1	1
Ransom	181	125	29	20	5	1	1	-
Renville	93	66	16	5	4	2	--	-
Richland	442	270	91	38	32	6	2	3
Rolette	185	119	34	19	9	2	2	-
Sargent	106	75	17	9	4	--	--	1
Sheridan	44	30	7	3	4	--	--	-
Sioux	29	24	2	3	--	--	--	-
Slope	6	5	1	--	--	--	--	-
Stark	745	393	177	79	73	18	4	1
Steele	71	47	16	5	3	--	--	-
Stutsman	607	350	116	67	51	16	4	3
Towner	125	80	29	13	1	2	--	-
Traill	256	162	54	27	7	2	3	1
Walsh	412	256	87	42	19	6	2	-
Ward	1,331	687	295	187	113	33	13	3
Wells	190	124	31	27	7	--	1	-
Williams	790	448	152	104	68	10	7	1
Statewide	82	52	3	2	12	7	5	1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, 1980.

TABLE 5.09

NUMBER AND EMPLOYMENT OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, 1970 AND 1980

County	1970		1980	
	Total # of Reporting Units	Employment (Mid-March)	Total # of Reporting Units	Employment (Mid-March)
NORTH DAKOTA	12,672	105,678	16,386	174,526
Adams	104	635	108	795
Barnes	324	2,232	338	3,271
Benson	107	450	128	795
Billings	6	50	12	79
Bottineau	191	1,047	225	1,460
Bowman	112	892	153	1,294
Burke	98	433	95	376
Burleigh	833	10,373	1,546	22,063
Cass	1,743	23,693	2,505	40,011
Cavalier	144	572	189	1,193
Dickey	160	949	198	1,564
Divide	93	394	97	482
Dunn	65	163	74	477
Eddy	85	453	100	566
Emmons	116	559	130	639
Foster	128	749	171	1,050
Golden Valley	62	312	81	430
Grand Forks	1,019	11,704	1,380	17,368
Grant	81	287	85	380
Griggs	88	520	93	588
Hettinger	113	485	117	657
Kidder	64	214	68	294
LaMoure	153	604	152	768
Logan	83	314	80	572
McHenry	142	566	137	678
McIntosh	124	577	140	808
McKenzie	102	581	133	1,072
McLean	193	1,014	254	1,638
Mercer	127	816	179	1,930
Morton	370	2,892	522	5,215

TABLE 5.09--Continued

County	1970		1980	
	Total # of Reporting Units	Employment (Mid-March)	Total # of Reporting Units	Employment (Mid-March)
Mountrail	170	764	201	1,424
Nelson	127	562	149	888
Oliver	20	210	22	*
Pembina	215	1,566	300	2,394
Pierce	126	858	150	1,375
Ramsey	316	2,307	379	3,283
Ransom	155	683	181	1,007
Renville	93	321	93	554
Richland	362	1,962	442	4,646
Rolette	154	1,220	185	1,464
Sargent	102	874	106	**
Sheridan	50	200	44	278
Sioux	30	335	29	128
Slope	7	14	6	14
Stark	421	3,407	745	7,471
Steele	62	226	71	344
Stutsman	484	4,421	607	6,780
Towner	103	474	125	665
Traill	203	1,072	256	2,194
Walsh	332	2,106	412	2,977
Ward	1,029	10,403	1,331	15,541
Wells	172	832	190	1,202
Williams	495	4,433	790	7,559
Statewide	414	1,898	82	2,102

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

* 100 - 249 employees.

** 1,000 - 2,499 employees.

TABLE 5.10

TAXABLE PAYROLLS OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, 1970, 1975 AND 1980

County	1970 Taxable Payrolls (Annual) (Thousands)	1975 Taxable Payrolls (Annual) (Thousands)	1980 Taxable Payrolls (Annual) (Thousands)
NORTH DAKOTA	$130,578	$1,048,904	$2,017,239
Adams	722	5,453	9,092
Barnes	2,310	16,737	29,533
Benson	396	5,174	7,858
Billings	50	95	1,079
Bottineau	1,077	9,184	14,436
Bowman	783	6,278	12,483
Burke	580	2,968	4,392
Burleigh	13,414	139,946	264,930
Cass	35,711	284,546	509,901
Cavalier	601	12,605	12,928
Dickey	863	6,841	13,066
Divide	385	2,447	3,839
Dunn	133	890	6,846
Eddy	387	3,341	5,164
Emmons	502	3,073	5,726
Foster	691	6,191	9,538
Golden Valley	269	2,127	3,646
Grand Forks	14,327	109,672	193,083
Grant	264	1,596	2,942
Griggs	572	4,416	5,197
Hettinger	463	3,197	5,490
Kidder	209	1,663	2,222
LaMoure	586	4,131	6,456
Logan	241	1,637	4,264
McHenry	650	4,974	7,241
McIntosh	481	3,501	5,497
McKenzie	620	5,048	13,722
McLean	952	6,933	18,317
Mercer	1,123	10,809	30,392
Morton	3,572	28,031	56,762

TABLE 5.10--Continued

County	1970 Taxable Payrolls (Annual) (Thousands)	1975 Taxable Payrolls (Annual) (Thousands)	1980 Taxable Payrolls (Annual) (Thousands)
Mountrail	$ 627	$ 6,565	$ 12,047
Nelson	474	5,701	7,841
Oliver	511	1,129	D
Pembina	1,825	14,944	23,719
Pierce	864	7,356	12,854
Ramsey	2,341	18,348	30,377
Ransom	570	4,952	7,806
Renville	328	2,437	6,847
Richland	2,083	23,143	45,265
Rolette	1,167	10,043	13,970
Sargent	1,439	11,966	D
Sheridan	153	1,495	2,253
Sioux	275	1,329	1,132
Slope	6	D	97
Stark	3,585	30,388	85,163
Steele	264	2,488	3,897
Stutsman	4,970	38,471	71,365
Towner	504	3,465	6,320
Traill	969	9,924	18,605
Walsh	2,214	18,308	26,919
Ward	12,990	94,653	172,284
Wells	749	5,726	10,370
Williams	5,846	40,082	101,542
Statewide	3,890	2,465	66,564

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

D Not shown to avoid disclosure of confidential information.

TABLE 5.11

NORTH DAKOTA TAXABLE PAYROLLS BY INDUSTRY, 1973-1980
(Thousands of Dollars)

Industry	1973	1974	1975	1976
Total	$772,663	$910,238	$1,051,304	$1,226,710
Ag. Services, Forestry & Other	1,790	2,377	2,699	3,251
Mining	18,390	18,830	22,445	29,517
Construction	95,166	108,563	121,307	153,221
Manufacturing	88,152	116,029	131,337	150,838
Transportation & Public Utilities	63,974	77,103	101,876	117,116
Wholesale Trade	126,028	149,789	167,323	185,673
Retail Trade	157,045	183,762	208,633	247,340
Finance, Insurance & Real Estate	53,387	64,392	72,061	84,473
Services	154,983	178,337	214,540	252,558

Industry	1977	1978	1979	1980
Total	$1,354,524	$1,565,033	$1,810,847	$2,017,239
Ag. Services, Forestry & Other	4,080	4,946	5,166	5,189
Mining	37,469	53,673	78,845	137,722
Construction	171,355	205,354	227,936	216,412
Manufacturing	162,461	177,729	212,105	222,266
Transportation & Public Utilities	135,114	157,472	186,081	214,523
Wholesale Trade	194,483	221,156	266,266	293,030
Retail Trade	265,046	292,676	320,455	339,103
Finance, Insurance & Real Estate	97,971	113,613	128,239	141,800
Services	284,272	327,531	374,033	435,874

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

TABLE 5.12

TAXABLE PAYROLL BY INDUSTRY BY NORTH DAKOTA COUNTY, 1980
(Thousands of Dollars)

County	Ag. Services, Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Adams	$ D	$---	$ D	$ 550	$ 239
Barnes	63	---	5,579	1,368	2,591
Benson	D	---	250	D	350
Billings	---	D	D	---	---
Bottineau	D	839	675	1,268	1,698
Bowman	D	5,019	846	396	342
Burke	D	1,510	83	D	D
Burleigh	D	2,215	42,473	22,302	37,615
Cass	D	D	64,049	56,087	54,194
Cavalier	D	---	853	454	2,222
Dickey	D	---	600	D	1,291
Divide	D	D	220	D	D
Dunn	D	D	658	D	D
Eddy	D	D	746	D	337
Emmons	D	---	1,189	426	D
Foster	D	---	599	619	1,406
Golden Valley	D	---	138	D	115
Grand Forks	D	D	19,635	15,156	26,064
Grant	---	---	D	D	117
Griggs	D	---	126	1,079	253
Hettinger	---	---	729	291	534
Kidder	D	D	42	D	D
LaMoure	D	---	D	D	812
Logan	D	---	D	D	D
McHenry	D	---	1,273	D	D
McIntosh	D	---	109	830	153
McKenzie	D	4,618	2,138	D	D
McLean	D	D	D	531	1,425
Mercer	D	10,598	3,948	D	7,000
Morton	158	217	4,578	12,244	8,936
Mountrail	D	D	602	D	1,276
Nelson	D	---	1,200	D	D
Oliver	---	D	D	D	D
Pembina	172	---	1,913	8,657	1,472
Pierce	D	---	482	1,173	1,286

TABLE 5.12--Continued

County	Ag. Services, Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Ramsey	$113	$ ---	$ 2,340	$ 1,172	$ 2,404
Ransom	D	---	491	207	776
Renville	D	3,417	274	D	107
Richland	178	D	3,718	20,007	1,813
Rolette	---	---	1,740	D	D
Sargent	D	---	323	D	725
Sheridan	---	---	D	D	D
Sioux	---	---	D	D	D
Slope	---	D	---	---	D
Stark	272	11,262	9,250	7,816	9,070
Steele	---	---	278	282	792
Stutsman	D	D	5,601	14,443	6,200
Towner	---	---	370	276	961
Traill	D	D	500	D	1,083
Walsh	424	D	3,178	1,150	2,237
Ward	555	2,755	19,503	13,418	14,051
Wells	D	D	555	440	408
Williams	D	15,852	7,597	7,017	14,302

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
Adams	$ 1,808	$ 1,501	$ 449	$ 2,625	$ 9,092
Barnes	5,543	6,346	2,257	5,562	29,533
Benson	1,306	590	837	D	7,858
Billings	---	199	---	D	1,079
Bottineau	2,760	3,131	1,064	2,707	14,436
Bowman	1,436	1,675	609	2,006	12,483
Burke	710	700	325	257	4,392
Burleigh	26,418	42,324	16,926	73,156	264,920
Cass	102,100	73,624	48,345	108,935	509,901
Cavalier	2,318	2,123	1,153	3,743	12,928
Dickey	2,763	1,959	847	3,708	13,066
Divide	794	1,116	506	998	3,839
Dunn	1,012	623	335	141	6,846
Eddy	792	929	492	1,109	5,164
Emmons	886	229	509	1,013	5,726

TABLE 5.05--Continued

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Non-Farm Private	Government
Mountrail	3,631	1,466	1,060	406	2,165	132	1,412	621
Nelson	2,593	1,038	782	256	1,555	132	1,039	384
Oliver	1,260	440	404	36	820	59	599	162
Pembina	5,713	1,537	996	541	4,176	756	2,643	777
Pierce	2,806	951	698	253	1,855	91	1,436	328
Ramsey	6,753	1,430	821	609	5,323	151	3,916	1,256
Ransom	2,843	1,004	666	338	1,839	131	1,304	404
Renville	1,649	766	568	198	883	82	545	256
Richland	8,810	2,305	1,544	761	6,505	407	4,471	1,627
Rolette	4,454	910	640	270	3,544	84	2,005	1,455
Sargent	2,780	921	720	201	1,859	103	1,443	313
Sheridan	1,147	695	582	113	452	44	219	189
Sioux	1,504	329	271	58	1,175	33	684	458
Slope	704	419	348	71	285	76	146	63
Stark	12,132	1,853	912	941	10,279	138	8,583	1,558
Steele	1,491	748	598	150	743	141	405	197
Stutsman	11,803	2,134	1,290	844	9,669	277	7,192	2,200
Towner	2,085	919	712	207	1,166	160	766	240
Traill	4,687	1,433	902	531	3,254	361	2,196	697
Walsh	7,923	2,025	1,288	737	5,898	891	3,295	1,712
Ward	30,306	3,404	1,467	1,937	26,902	226	16,584	10,092
Wells	3,221	1,264	890	374	1,957	141	1,378	438
Williams	13,756	2,103	1,142	961	11,653	199	10,[illegible]3	1,411

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

Note: Includes both full and part-time employment.

(L) Less than 10.

TABLE 5.06

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY BY NORTH DAKOTA COUNTY, 1980

County	Ag. Services Forestry & Other	Mining	Con-struc-tion	Manu-fac-turing	Transporta-tion & Public Utilities	Whole-sale & Retail Trade	Finance, Insurance & Real Estate	Services	Federal Govern-ment	State & Local Gov-ernment
Adams	(D)	(D)	59	68	46	323	36	333	56	143
Barnes	21	0	270	128	154	1,410	159	955	213	908
Benson	12	(D)	64	365	44	119*	64	571	137	339
Billings	(L)	(D)	(D)	0	12	42*	(D)	94	52	62
Bottineau	22	84	87	91	139	649	96	445	161	551
Bowman	(L)	240	(D)	15	41	279*	59	263	54	212
Burke	12	104	17	11	105	211	43	85	96	210
Burleigh	(D)	(D)	1,966	1,377	2,144	7,294	1,363	7,084	1,294	5,238
Cass	(D)	(D)	2,694	3,760	3,203	14,843	3,450	11,116	2,675	6,878
Cavalier	(D)	(D)	52	44	129	449	91	411	127	302
Dickey	33	0	90	118	86	649	79	580	101	364
Divide	(D)	7[illegible]	15	(L)	(D)	237	46	195	76	144
Dunn	(L)	29[illegible]	94	(L)	90	243	29	79	71	220
Eddy	(D)	(D)	26	(L)	41	241	45	259	50	176
Emmons	(L)	(L)	114	38	44	293	48	194	89	285
Foster	(L)	(D)	104	44	128	263	81	309	71	245
Golden Valley	21	78	35	32	48	232	38	140	36	119
Grand Forks	71	(D)	1,350	1,261	1,958	6,133*	1,084	5,416	6,749	6,213
Grant	(D)	(D)	13	13	22	163	39	168	70	165
Griggs	13	0	32	74	41	138*	57	(D)	58	167
Hettinger	15	30	62	30	36	270	49	173	73	202
Kidder	18	(L)	25	18	48	134	33	115	67	184
LaMoure	(D)	(D)	33	23	78	452	99	148	132	308
Logan	(L)	0	38	16	(L)	227	26	77	57	167
McHenry	(D)	(D)	99	46	165	306	59	148	132	355
McIntosh	(L)	0	16	90	46	355	60	421	69	228
McKenzie	(D)	1,213	227	16	180	255*	43	505	119	288
McLean	24	198	386	55	355	724	108	655	274	524
Mercer	14	511	2,332	30	432	590	81	500	98	382
Morton	(D)	(D)	661	717	741	2,097	236	1,631	305	1,356

TABLE 5.06--Continued

County	Ag. Services Forestry & Other	Mining	Con- struc- tion	Manu- fac- turing	Transporta- tion & Public Utilities	Whole- sale & Retail Trade	Finance, Insurance & Real Estate	Services	Govern- ment	State & Local Gov- ernment
Mountrail	10	71	99	93	85	522	74	458	264	357
Nelson	18	0	72	59	77	389	70	354	87	297
Oliver	(L)	(D)	181	(L)	(D)	32*	(L)	21	29	133
Pembina	151	0	127	587	233	755	108	682	237	540
Pierce	(L)	(L)	61	100	129	550	77	514	85	243
Ramsey	25	0	266	118	235	1,823	191	1,258	251	1,005
Ransom	18	0	79	21	178	574	86	348	90	314
Renville	(L)	83	21	(L)	36	165	26	203	55	201
Richland	(D)	(D)	274	1,331	338	1,365	198	898	289	1,338
Rolette	(L)	(L)	165	252	76	519	106	878	542	913
Sargent	13	0	47	900	84	110*	41	(D)	86	227
Sheridan	(L)	(D)	25	16	(D)	85	38	44	62	127
Sioux	(L)	0	42	30	(L)	62	(D)	(D)	308	150
Slope	(L)	(D)	0	0	(L)	16	0	(D)	10	44
Stark	23	694	742	559	725	3,017	394	2,426	296	1,262
Steele	13	0	34	40	48	163	51	48	67	130
Stutsman	(D)	(D)	453	1,049	718	2,226	477	2,162	388	1,812
Towner	(D)	0	87	16	76	157*	61	209	59	181
Traill	(D)	(L)	72	304	150	425*	139	656	124	573
Walsh	(D)	(D)	240	134	218	1,350	229	909	191	1,521
Ward	53	241	1,376	913	1,629	6,626	948	4,798	7,366	2,726
Wells	15	(D)	71	27	108	356*	78	458	134	304
Williams	59	2,300	805	482	881	3,039	369	2,108	239	1,172

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

L Less than 10 wage & salary jobs.

* Retail trade only.

TABLE 5.07

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY IN NORTH DAKOTA'S LARGEST CITIES, 1980 AND 1981

Industry	Bismarck		Devils Lake		Dickinson		Fargo	
	1980	1981*	1980	1981*	1980	1981*	1980	1981*
Total Non-Agriculture	24,470	23,100	3,980	4,100	8,910	9,270	43,070	42,200
Mining	160	160	-----	-----	780	1,180	-----	-----
Construction	1,700	1,500	180	160	700	570	2,600	2,040
Manufacturing	1,280	1,140	120	120	540	550	3,490	3,640
Trans., Util., Comm.	2,000	2,070	210	190	640	640	2,870	2,780
Wholesale Trade	1,370	1,270	290	300	530	540	4,850	4,680
Retail Trade	4,910	4,390	1,100	1,080	2,020	2,000	8,170	7,810
Fin., Ins., Real Est.	1,100	1,130	170	170	330	340	2,980	3,040
Services	6,606	6,000	960	960	1,910	2,110	10,170	10,260
Government	5,890	5,440	950	1,120	1,460	1,340	7,940	7,950

Industry	Grafton		Grand Forks		Jamestown		Mandan	
	1980	1981	1980	1981	1980	1981	1980	1981*
Total Non-Agriculture	2,610	2,770	22,960	22,390	7,920	7,560	5,580	5,680
Mining	-----	-----	-----	-----	-----	-----	10	20
Construction	120	140	1,070	870	360	300	400	470
Manufacturing	90	90	1,120	1,160	960	820	710	720
Trans., Util., Comm.	130	120	1,850	1,710	550	520	740	700
Wholesale Trade	140	160	860	800	380	310	340	330
Retail Trade	550	570	5,560	5,180	1,660	1,580	1,150	1,140
Fin., Ins., Real Est.	130	140	970	910	380	390	140	180
Services	480	520	4,560	4,730	1,970	1,890	1,130	1,160
Government	970	1,030	6,970	7,030	1,660	1,760	960	960

TABLE 5.07--Continued

Industry	Minot 1980	Minot 1981	Valley City 1980	Valley City 1981	Wahpeton 1980	Wahpeton 1981	Williston 1980	Williston 1981
Total Non-Agriculture	17,050	17,550	3,310	3,350	4,460	4,560	8,360	9,940
Mining	70	80	-----	-----	-----	-----	1,210	1,660
Construction	820	840	270	230	200	210	500	550
Manufacturing	900	880	120	140	1,370	1,460	370	390
Trans., Util., Comm.	1,640	1,550	120	130	180	170	660	740
Wholesale Trade	1,360	1,350	240	240	190	190	790	990
Retail Trade	4,090	4,230	820	800	670	630	1,850	2,120
Fin., Ins., Real Est.	900	950	140	150	150	140	360	450
Services	3,950	4,180	790	840	540	530	1,790	2,140
Government	3,320	3,490	810	820	1,160	1,230	830	900

SOURCE: Job Service North Dakota, Research and Statistics, Form ESB-RA-49A.

* Preliminary.

TABLE 5.12--Continued

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
Foster	$ 1,983	$ 2,110	$ 822	$ 1,795	$ 9,538
Golden Valley	950	1,031	430	703	3,646
Grand Forks	17,709	43,768	12,080	56,521	193,083
Grant	391	733	395	1,125	2,942
Griggs	1,478	638	741	830	5,197
Hettinger	1,029	1,359	504	944	5,490
Kidder	476	339	D	D	2,222
LaMoure	2,085	1,275	900	581	6,456
Logan	1,005	529	524	300	4,264
McHenry	765	1,242	560	419	7,241
McIntosh	992	945	511	1,877	5,497
McKenzie	1,278	1,588	D	1,431	13,722
McLean	2,805	2,687	966	2,910	18,317
Mercer	1,586	2,865	1,060	3,002	30,392
Morton	6,855	10,433	2,720	10,220	56,762
Mountrail	1,010	2,686	786	4,460	12,047
Nelson	1,675	1,718	991	1,395	7,841
Oliver	D	126	D	D	D
Pembina	2,862	3,567	1,213	3,633	23,719
Pierce	1,477	2,536	1,141	4,591	12,854
Ramsey	5,068	8,945	2,040	8,103	30,377
Ransom	1,812	2,100	812	1,475	7,806
Renville	782	755	273	1,148	6,847
Richland	5,291	6,689	2,161	5,247	45,265
Rolette	1,665	2,493	1,130	4,424	13,970
Sargent	D	619	481	423	D
Sheridan	284	282	308	84	2,253
Sioux	139	173	D	D	1,132
Slope	D	D	---	---	97
Stark	8,609	17,614	4,013	17,661	85,163
Steele	1,146	601	694	D	3,897
Stutsman	7,353	13,632	6,844	16,399	71,365
Towner	1,460	1,052	669	1,513	6,320
Traill	3,554	2,900	1,379	3,859	18,605
Walsh	5,386	5,966	3,107	5,213	26,919
Ward	29,433	37,155	10,352	44,428	172,284
Wells	2,610	2,424	784	2,923	10,370
Williams	16,461	15,406	4,556	19,248	101,542

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

D Not shown to avoid disclosure of confidential information.

TABLE 5.14

AVERAGE WEEKLY HOURS AND EARNINGS IN NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, 1970-1981

Year	Average Weekly Hours	Average Weekly Earnings	Average Hourly Rate
1970	40.8	$119.54	$2.93
1971	40.7	129.02	3.17
1972	40.1	133.13	3.32
1973	40.4	143.02	3.54
1974	40.1	153.58	3.83
1975	39.6	171.07	4.32
1976	39.3	189.03	4.81
1977	38.6	200.33	5.19
1978	39.7	220.34	5.55
1979	39.1	233.82	5.98
1980	37.5	246.00	6.56
1981	38.1	271.27	7.12

SOURCE: Job Service North Dakota, Annual Report, various years.

Note: Data relates to full and part-time manufacturing production workers. The average earnings are "gross," i.e., they reflect not only changes in basic hourly and incentive wage rates, but also such factors as premium pay for overtime work and shift differentials. The work week information relates to average hours worked or paid for and is somewhat different from scheduled hours because of such factors as absenteeism, labor turnover, part-time work and stoppages.

TABLE 5.15

AVERAGE LABOR TURNOVER RATES PER THOUSAND EMPLOYEES IN MANUFACTURING IN NORTH DAKOTA, 1970-1981

Year	Accession Rate			Separation Rate		
	Total	New Hires	Recalls	Total	Quits	Layoffs
1970	54	43	NA	56	27	20
1971	64	45	NA	64	26	29
1972	59	43	NA	55	23	23
1973	74	56	NA	67	31	26
1974	78	60	NA	65	38	20
1975	60	46	NA	70	37	25
1976	49	35	11	53	31	15
1977	52	33	16	60	27	25
1978	62	45	13	62	33	21
1979	66	51	11	68	41	18
1980	49	24	21	61	22	31
1981	58	34	20	55	24	24

SOURCE: Job Service North Dakota, Annual Report, various years.

NA Not Available.

TABLE 5.16

HOURLY FARM WAGES IN NORTH DAKOTA, 1950-1980

Year	Cash Wages Per Hour	Year	Cash Wages Per Hour
1950	$ .92	1970	$1.60
1951	1.01	1971	1.70
1952	1.00	1972	1.81
1953	1.01	1973	1.94
1954	1.00	1974	2.34
1955	.99	1975	2.79
1956	1.02	1976	3.29
1957	1.05	1977	3.34
1958	1.04	1978	3.85
1959	1.05	1979	4.00
1960	1.06	1980	3.87
1961	1.04		
1962	1.09		
1963	1.11		
1964	1.13		
1965	1.18		
1966	1.24		
1967	1.32		
1968	1.40		
1969	1.50		

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 5.17

ANNUAL AVERAGE UNEMPLOYMENT RATES BY NORTH DAKOTA COUNTY, BY REGION, 1975-1981

	1975	1976	1977	1978	1979	1980	1981
NORTH DAKOTA	5.2%	5.1%	5.5%	4.3%	4.0%	5.0%	5.0%
Divide	4.8	3.9	4.9	3.1	2.3	2.2	2.5
McKenzie	4.1	4.8	4.7	3.4	2.9	3.0	3.4
Williams	4.6	4.2	4.5	2.8	2.4	2.4	2.4
Region 1 Total	4.5	4.3	4.6	3.0	2.5	2.5	2.6
Bottineau	4.3	4.9	6.1	4.9	4.6	4.5	3.7
Burke	5.3	5.9	4.1	3.2	2.4	3.2	3.1
McHenry	8.1	8.8	10.7	9.0	7.8	8.9	8.1
Mountrail	5.7	6.1	6.6	5.1	4.7	4.1	5.2
Pierce	4.2	4.3	4.8	4.0	3.4	3.9	3.4
Renville	4.4	4.5	4.2	2.9	2.9	2.9	3.0
Ward	4.4	4.7	5.5	4.3	4.2	5.1	5.3
Region 2 Total	4.8	5.2	8.1	4.7	4.4	5.0	5.0
Benson	8.3	7.2	7.8	7.1	5.6	7.7	7.1
Cavalier	5.9	6.1	6.5	5.9	4.3	4.2	4.1
Eddy	7.8	8.4	8.0	7.7	8.0	7.7	7.7
Ramsey	4.2	4.0	5.5	4.4	3.5	4.2	4.3
Rolette	10.2	10.7	11.0	9.3	10.7	11.6	11.0
Towner	3.0	3.5	3.7	2.9	2.3	2.6	2.3
Region 3 Total	6.5	6.5	7.2	6.2	5.7	6.5	6.2
Grand Forks	5.6	4.8	5.2	4.3	4.2	5.2	5.3
Nelson	5.2	5.4	5.2	4.1	3.7	4.6	3.9
Pembina	5.9	6.4	7.4	6.0	6.0	6.6	6.0
Walsh	6.2	6.4	6.2	5.6	4.5	4.8	4.4
Region 4 Total	5.7	5.3	5.6	4.8	4.4	5.3	5.1
Cass	4.3	3.9	3.9	3.4	3.2	4.0	4.2
Ransom	3.4	3.7	4.5	3.2	3.4	4.5	4.0
Richland	4.3	4.9	6.9	4.4	4.3	6.0	5.4
Sargent	4.1	4.7	7.0	4.3	3.4	7.6	5.5
Steele	3.7	4.8	4.0	2.8	3.4	3.8	2.4
Traill	3.5	3.9	5.7	4.3	4.3	4.4	4.6
Region 5 Total	4.2	4.1	4.6	3.6	3.4	4.5	4.4
Barnes	3.9	4.0	5.0	3.7	3.5	4.5	4.9
Dickey	3.5	3.4	3.9	2.8	2.2	3.2	2.8
Foster	5.3	5.1	5.3	3.6	3.7	4.2	3.9
Griggs	3.8	4.6	6.3	3.8	3.3	2.9	3.3
LaMoure	5.0	4.9	3.7	3.0	2.6	3.5	3.6
Logan	6.9	6.6	5.8	5.0	4.3	5.0	4.6
McIntosh	6.2	6.2	4.6	3.3	3.6	4.2	3.7
Stutsman	4.3	4.5	4.5	3.5	3.7	5.1	5.0
Wells	5.0	4.6	5.5	4.7	4.3	4.5	4.8
Region 6 Total	4.6	4.6	4.8	3.6	3.5	4.4	4.4

TABLE 5.17--Continued

	1975	1976	1977	1978	1979	1980	1981
Burleigh	5.1%	5.1%	5.2%	4.0%	%3.6%	5.3%	5.8%
Emmons	9.8	8.2	8.0	5.9	4.9	6.7	6.4
Grant	5.9	6.3	5.7	5.0	4.0	4.9	4.8
Kidder	6.9	8.2	9.4	8.2	5.5	7.8	7.7
McLean	6.9	7.7	7.2	5.2	4.6	6.3	7.5
Mercer	5.6	5.5	5.5	3.6	4.4	[illegible].6	6.1
Morton	7.1	6.8	6.9	5.5	4.9	8.0	6.9
Oliver	5.6	5.3	4.0	4.1	4.9	7.4	5.9
Sheridan	6.4	6.4	7.2	7.2	4.8	5.8	4.8
Sioux	8.5	7.2	7.6	7.6	8.0	10.3	11.7
Region 7 Total	6.1	6.0	6.1	4.8	4.3	6.2	6.4
Adams	3.9	2.4	2.2	2.0	1.7	2.0	1.9
Billings	7.3	5.9	7.7	4.7	3.4	2.2	2.2
Bowman	3.2	2.6	3.1	2.4	2.2	2.2	2.4
Dunn	9.5	8.6	7.8	5.6	5.3	5.1	4.8
Golden Valley	4.7	3.7	4.0	3.4	3.5	3.0	2.8
Hettinger	5.0	5.0	4.1	4.1	3.6	3.3	3.5
Slope	5.5	6.0	5.7	5.3	3.7	3.1	3.1
Stark	4.7	4.7	5.5	4.2	4.1	4.2	4.4
Region 8 Total	5.1	4.7	4.9	3.9	3.7	3.6	3.7

SOURCE: Data supplied by Job Service North Dakota, (not Current Population Survey adjusted).

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 5.18

AGE AND SEX OF THE INSURED UNEMPLOYED IN NORTH DAKOTA, 1981*

Age	Average Total Unemployed		Men		Women		Sex Not Report-ed
	No.	%	No.	%	No.	%	
All Ages	5,984	100.0%	4,448	100.0%	1,447	100.0%	89
Total Under 45	4,361	72.9	3,354	75.4	991	68.5	16
Under 25	1,546	25.8	1,210	27.2	330	22.8	6
25-34	1,937	32.4	1,516	34.1	414	28.6	7
35-44	878	14.7	628	14.1	247	17.1	3
Total 45 & Over	1,298	21.7	952	21.4	340	23.5	6
45-54	683	11.4	487	10.9	193	13.3	3
55-64	527	8.8	396	8.9	129	8.9	2
65 & Over	88	1.5	69	1.6	18	1.3	1
Age not Reported	325	5.4	142	3.2	116	8.0	67

SOURCE: Calculated from Job Service North Dakota, Research and Statistics Section, unpublished data.

* Simple average of monthly data, not seasonally adjusted.

Note: Details may not add to totals due to rounding.

TABLE 5.20

WORK STOPPAGES IN NORTH DAKOTA, 1960-1978

Year	Number of Work Stoppages	Number of Workers Involved	Number of Man-days Idle	Percentage Work Time Lost
1960	3	870	4,540	*%
1961	4	160	3,780	.02
1962	7	1,060	17,500	.07
1963	3	70	860	*
1964	10	1,280	7,670	.03
1965	15	930	8,990	.03
1966	8	460	3,090	.01
1967	6	4,110	6,560	.02
1968	10	2,500	33,200	.12
1969	7	600	8,900	.01
1970	12	3,000	17,200	.06
1971	12	6,600	25,500	.09
1972	11	500	12,400	.04
1973	13	700	10,000	.02
1974	7	800	4,700	.01
1975	10	1,500	37,700	.08
1976	10	700	14,400	.03
1977	5	800	11,000	.02
1978	5	3,200	17,400	.03

SOURCE: U.S. Dept. of Labor, Bureau of Labor Statistics, Handbook of Labor Statistics, 1974, 1977 and 1978.

* Less than .005.

TABLE 5.22

LABOR ORGANIZATION MEMBERSHIP--TOTAL AND PERCENT OF NON-AGRICULTURAL EMPLOYMENT, UNITED STATES AND NORTH DAKOTA, SELECTED YEARS, 1970-1980

Year	United States		North Dakota	
	Total (thousands)	Percent of Employment	Total (thousands)	Percent of Employment
1970	21,852	30.8%	35	21.5%
1974	23,408	----	38	----
1978	23,306	----	45	----
1980	22,811	25.2	42	17.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1982-83.

TABLE 5.13

HOURS AND EARNINGS IN MANUFACTURING: NORTH DAKOTA AND SELECTED STATES, 1970, 1980, AND 1981

State	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	1970	1980	1981	1970	1980	1981	1970	1980	1981
NORTH DAKOTA	$119.25	$246.00	$271.27	40.7	37.5	38.1	$2.93	$6.56	$7.12
South Dakota	132.91	265.85	296.19	44.6	40.9	41.6	2.98	6.50	7.12
Nebraska	134.79	299.63	324.01	42.0	40.6	40.4	3.21	7.38	8.02
Montana	148.00	379.30	370.23	40.0	43.2	41.0	3.70	8.78	9.03
Wyoming	130.03	272.69	314.41	38.7	38.9	39.9	3.36	7.01	7.88
Minnesota	141.30	299.83	330.96	40.0	39.4	39.4	3.54	7.61	8.40

SOURCE: U.S. Dept. of Labor, Bureau of Labor Statistics, Employment and Earnings, May 1973 and May 1982.

TABLE 5.19

INDUSTRY ATTACHMENT OF NORTH DAKOTA INSURED UNEMPLOYED BY SEX AND DURATION OF UNEMPLOYMENT, 1981*

Industry	Average Total Unemployed		Men	Women	Sex Not Reported	Number by Weeks of Current Unemployment			
	Number	%				1	2-4	5-14	15 & Over
All Industries	5,984	100.0%	4,448	1,447	89	466	1,428	2,824	1,266
Agriculture	155	2.6	113	40	2	12	43	80	23
Mining	136	2.3	124	10	2	14	40	62	20
Contract Construction	2,271	38.0	2,147	90	34	165	542	1,109	450
Manufacturing	709	11.9	497	201	11	68	163	328	150
Public Utilities	275	4.6	210	61	4	22	68	126	59
Wholesale & Retail Trade	1,038	17.3	622	400	16	82	250	473	236
Finance, Insurance, & Real Estate	85	1.4	33	51	1	7	21	37	19
Service	559	9.3	228	323	8	43	130	254	133
All Others	485	8.1	282	196	7	37	115	224	110
Not Reported	271	4.5	192	75	4	16	56	131	66

SOURCE: Calculated from Job Service North Dakota, Research and Statistics Section, unpublished data.

* Simple average of monthly data, not seasonally adjusted.

Note: Details may not add to totals due to rounding.

TABLE 5.21

DISTRIBUTION OF MEMBERSHIP OF NATIONAL UNIONS AND EMPLOYEE ASSOCIATIONS BY STATE AND AFFILIATION, 1978 (In Thousands)

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments	
				Unaffiliated						
		Total	AFL-CIO	National	Local Unions[2]	Total	Professional & State Employee Assn.	Municipal Assn.	Percent	Rank
All States	23,306	20,459	15,618	4,509	332	2,848	2,613	235	26.8	--
Alabama[3]	329	257	216	41	*	72	72	*	24.6	25
Alaska	53	43	28	14	1	11	11	---	32.3	9
Arizona[3]	159	122	100	21	*	37	36	1	18.0	36
Arkansas[3]	128	109	93	16	*	19	19	--	17.6	37
California	2,659	2,184	1,737	427	20	475	362	113	28.8	16
Colorado	205	172	144	28	*	33	32	1	18.1	35
Connecticut	356	296	215	68	14	60	58	2	26.4	21
Delaware	59	52	33	15	4	8	8	---	23.9	26
Florida[3]	415	367	333	34	*	47	44	3	13.2	48
Georgia[3]	314	271	221	49	*	43	43	*	15.8	42
Hawaii	134	120	94	27	*	14	14	---	35.9	6
Idaho	63	47	36	12	---	16	16	*	19.1	34
Illinois	1,590	1,497	1,083	382	32	94	93	*	33.4	8
Indiana	700	643	429	210	5	57	57	---	32.0	10
Iowa[3]	250	212	140	70	1	39	38	*	22.6	28
Kansas[3]	144	117	94	22	2	27	[illegible]	---	15.8	41
Kentucky	311	274	178	92	3	38	38	---	25.4	22
Louisiana[3]	240	227	196	27	5	13	13	---	17.0	39
Maine	100	74	67	7	1	25	24	1	24.7	24
Maryland-Dist. of Columbia	546	458	366	76	15	88	83	5	25.0	23

TABLE 5.21--Continued

State	Total Union & Assn. Membership	Unions[1] Total	Unions[1] AFL-CIO	Unaffiliated National	Unaffiliated Local Unions[2]	Associations Total	Professional & State Employee Assn.	Municipal Assn.	Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments: Percent	Rank
Massachusetts	692	611	501	101	9	81	79	2	27.7	17
Michigan	1,362	1,223	586	624	13	139	132	7	38.5	3
Minnesota	464	411	323	86	2	53	53	*	27.6	18
Mississippi[3]	122	103	95	8	*	18	18	---	15.0	44
Missouri	598	578	420	153	4	20	20	---	31.0	11
Montana	83	67	58	9	*	16	16	*	29.9	14
Nebraska[3]	116	92	79	13	*	24	24	---	19.3	33
Nevada[3]	95	80	67	13	*	15	15	*	27.2	20
New Hampshire	61	48	40	6	1	13	13	*	16.8	40
New Jersey	810	683	511	154	17	127	116	11	27.3	19
New Mexico	66	54	46	8	*	12	12	---	14.8	45
New York	2,877	2,753	2,371	345	37	123	49	74	41.0	1
North Carolina[3]	242	147	117	28	[illegible]	95	95	---	10.7	49
NORTH DAKOTA[3]	45	34	26	8	---	11	11	---	19.4	32
Ohio	1,472	1,294	935	337	23	178	177	1	33.6	7
Oklahoma	177	138	115	23	1	39	39	---	17.2	38
Oregon	296	232	181	49	3	64	63	1	29.4	15
Pennsylvania	1,741	1,595	1,209	331	55	146	145	*	37.3	4
Rhode Island	119	108	95	12	1	11	11	*	29.9	13
South Carolina[3]	101	76	65	11	---	25	25	---	8.9	50
South Dakota[3]	34	24	20	5	---	9	9	---	14.6	46
Tennessee[3]	358	303	248	52	3	55	54	1	21.0	29
Texas[3]	698	575	484	80	11	124	122	2	13.3	47
Utah[3]	103	68	54	14	*	35	34	1	19.6	31
Vermont	43	33	22	11	*	10	10	---	22.7	27

TABLE 5.21--Continued

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated		Total	Professional & State Employee Assn.	Muncipal Assn.	Percent	Rank
				National	Local Unions[2]					
Virginia[3]	311	258	172	65	21	53	53	*	15.3	43
Washington	547	496	398	85	13	51	50	1	36.5	5
West Virginia	248	226	120	96	10	23	23	---	40.4	2
Wisconsin	573	522	413	104	5	51	47	4	30.5	12
Wyoming[3]	37	28	24	4	*	10	9	*	19.6	30
Membership not classifiable[4]	61	60	21	39	---	1	*	1	---	--

SOURCE: U.S. Dept. of Labor, Bureau of Labor Statistics, Directory of National Unions and Employee Associations, 1979.

[1] Based on reports from 125 national unions and estimates for 49, and on reports from 34 employee associations. Also included are local unions directly affiliated with the AFL-CIO and members in single-firm and local unaffiliated unions.

[2] Membership of single-firm and local unaffiliated unions derived from a 1977 survey by the Bureau of Labor Statistics.

[3] Has right-to-work law.

[4] Includes local unions directly affiliated with the AFL-CIO.

* Less than 500 members.

Note: Because of rounding, sums of individual items may not equal totals. Dashes indicate no data in category.

6.00

TRANSPORTATION

The ability to transport people and products expeditiously from place to place is vital to a region's economic growth and development. A well-developed network of highways, railroads, airline routes, and other transportation services facilitates commerce, expands individual choice in the market, and promotes social interaction. Information contained in this section describes the extent and recent growth of travel and transport in North Dakota. In addition, data are provided on types and amounts of commodities moving into and out of North Dakota via public transport.

The principal source of information concerning the highway system and motor vehicle transportation is the North Dakota State Highway Department's Transportation Services Division. The Transportation Services Division (in cooperation with the Federal Highway Administration) collects data from records and reports of federal, state, and local agencies on highway mileage, highway travel, motor vehicle registration and fuel consumption, and highway finance, which are published annually in North Dakota Highway Statistics. Financial data pertaining to all modes of transportation are provided in the Division's unpublished report, "Financing North Dakota's Transportation System." Data concerning motor vehicle accidents and fatalities are taken from North Dakota Vehicular Accident Facts, published annually by the North Dakota Highway Department.

Statistics relating to trucking firms and railroads operating in North Dakota were obtained from unpublished data supplied by the North Dakota Public Service Commission, the state agency which regulates these transportation firms, and from its published Annual Report. Included is information on the number of carriers, operating revenues and expenses, and data relating to commodity types and amounts transported.

Data on passenger boardings at North Dakota's commercial airports were obtained from Airport Activity Statistics of Certified Route Air Carriers, published by the U.S. Department of Transportation. Additional data pertaining to airports and airline flights were provided by the North Dakota Aeronautics Commission.

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TABLE 6.04

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY TYPE OF SURFACE, SELECTED YEARS, 1955-1980

Year	Surface Types			Graded and Drained	Total Mileage
	Bituminous	P.C. Concrete	Gravel		
1955	2,815	163	3,321	194	6,493
1960	4,617	310	1,334	2	6,263
1965	5,419	466	645	---	6,529
1969	5,871	556	319	---	6,746
1970	5,880	590	327	---	6,797
1971	5,995	614	251	---	6,860
1972	6,019	628	259	---	6,906
1973	6,046	625	260	4	6,935
1974	6,158	631	185	4	6,978
1975	6,194	656	139	4	6,993
1976	6,272	682	93	---	7,047
1977	6,331	649*	90	---	7,070
1978	6,406	637*	73	5	7,121
1979	6,472	671*	2	3	7,147
1980	6,480	670*	2	13	7,167

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Change in classifying mileage of 4 lane highways which have traffic lanes of two different surface types.

TABLE 6.05

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY COUNTY,* December 31, 1980

County	Inter-state	Primary	Secondary	Urban	State System Only	Total State Highway Mileage
NORTH DAKOTA	571.1	5,597.1	945.5	22.3	30.8	7,166.8
Adams	-----	63.9	11.9	----	----	75.8
Barnes	36.3	125.9	38.9	----	----	201.1
Benson	-----	173.0	-----	----	0.3	173.3
Billings	19.1	28.6	-----	----	0.8	48.5
Bottineau	-----	133.8	37.3	----	2.2	173.3
Bowman	-----	69.7	9.6	----	----	79.3
Burke	-----	81.4	45.3	----	----	126.7
Burleigh	36.5	111.1	42.7	12.4	2.8	205.5
Cass	88.7	107.8	26.6	2.2	----	225.3
Cavalier	-----	111.6	25.9	----	----	137.5
Dickey	-----	103.0	18.3	----	1.0	122.3
Divide	-----	84.6	25.5	----	----	110.1
Dunn	-----	123.8	18.3	----	----	142.1
Eddy	-----	77.4	-----	----	----	77.4
Emmons	-----	96.9	28.4	----	----	125.3
Foster	-----	73.5	-----	----	----	73.5
Golden Valley	21.2	-----	25.2	----	----	46.4
Grand Forks	37.7	148.0	1.8	4.3	2.8	194.6
Grant	-----	109.4	-----	----	----	109.4
Griggs	-----	73.7	9.4	----	----	83.1
Hettinger	-----	99.2	-----	----	----	99.2
Kidder	30.2	80.8	-----	----	----	111.0
LaMoure	-----	101.2	2.0	----	----	103.2
Logan	-----	81.9	33.9	----	0.8	116.6
McHenry	-----	163.9	-----	----	----	163.9
McIntosh	-----	104.8	-----	----	----	104.8
McKenzie	-----	195.6	41.8	----	1.5	238.9
McLean	-----	196.8	88.9	----	1.9	287.6
Mercer	-----	87.7	23.4	----	5.2	116.3
Morton	62.5	139.1	8.1	2.6	3.0	215.3
Mountrail	-----	155.5	17.8	----	----	173.3
Nelson	-----	117.0	12.2	----	----	129.2
Oliver	-----	57.7	9.1	----	----	66.8
Pembina	32.6	133.9	25.3	----	3.4	195.2
Pierce	-----	100.2	23.6	----	----	123.8

TABLE 6.05--Continued

County	Inter-state	Primary	Secondary	Urban	State System Only	Total State Highway Mileage
Ramsey	-----	147.4	-----	----	----	147.4
Ransom	-----	60.6	-----	----	----	60.6
Renville	-----	51.4	21.6	----	----	73.0
Richland	48.2	148.2	-----	0.8	0.8	198.0
Rolette	-----	73.4	46.8	----	3.5	123.7
Sargent	-----	97.6	-----	----	----	97.6
Sheridan	-----	75.1	-----	----	----	75.1
Sioux	-----	100.9	-----	----	----	100.9
Slope	-----	54.0	17.8	----	----	71.8
Stark	54.9	81.0	-----	----	----	135.9
Steele	-----	62.0	9.7	----	----	71.7
Stutsman	48.1	179.3	30.8	----	----	258.2
Towner	-----	92.5	21.9	----	----	114.4
Traill	30.9	61.7	11.0	----	----	103.6
Walsh	24.2	128.4	19.0	----	----	171.6
Ward	-----	192.9	39.8	----	0.3	233.0
Wells	-----	142.2	13.0	----	0.5	155.7
Williams	-----	136.1	62.9	----	----	199.0

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1981.

* Includes municipal extensions.

TABLE 6.06

NET DISBURSEMENTS FOR NORTH DAKOTA HIGHWAYS BY ALL UNITS OF GOVERNMENT, BY TYPE OF EXPENDITURE, SELECTED FISCAL YEARS, 1970-1980

Expenditure Category	1970	1975	1978	1980
Construction	$52,579,607	$77,928,419	$90,480,635	$138,842,405
Maintenance	20,446,234	31,596,621	41,637,148	58,105,884
Administration	2,688,917	4,091,865	5,068,027	6,646,274
Planning & Research	722,974	782,377	908,167	1,007,348
Traffic & Safety	147,969	338,106	924,362	1,380,770
Drivers Licenses	363,795	404,248	733,021	754,085
Truck Regulation	734,591	1,161,714	1,458,982	1,773,053
Travel Bureau	218,770	533,033	529,815	617,844
Debt Service:				
Principal Payments	4,456,203	5,487,079	8,738,561	10,131,313
Interest Payments	2,114,717	2,350,441	4,428,042	6,816,345
Highway Law Enforcement	1,038,237	3,858,860	5,224,855	6,379,040
Mass Transit	-------	-------	196,231	926,676
Miscellaneous	443,129	665,127	313,407	63,751
Construction (Buildings)	-------	674,882*	-------	-------
TOTAL	85,955,143	129,872,592	160,641,253	233,444,788

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

* Construction of state laboratory.

TABLE 6.08

DISBURSEMENTS BY NORTH DAKOTA COUNTIES, ORGANIZED TOWNSHIPS, AND INCORPORATED CITIES FOR LOCAL ROADS AND STREETS, 1965-1980, VARIOUS YEARS

Year	Counties	Organized Townships	Incorporated Cities*
1965	$15,652,079	$4,077,811	$----------
1970	22,226,064	5,046,635	16,229,393
1975	31,176,232	7,750,022	28,906,665
1976	34,907,419	7,888,513	32,085,506
1977	37,393,184	7,707,740	42,413,143
1978	32,561,954	7,355,953	42,198,380
1979	41,372,429	7,192,035	49,863,293
1980	56,202,954	8,820,642	66,771,563

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Includes transfers to non-highway funds in some years.

TABLE 6.10

AVERAGE COST PER MILE FOR NORTH DAKOTA HIGHWAY MAINTENANCE, SELECTED YEARS, 1972-1980

Type of Highway	Maintenance Cost/Mile for Year					
	1972	1975	1977	1978	1979	1980
State Highway						
2 Lane	$1,124	$1,285	$1,693	$1,780	$1,934	$2,308
4 Lane Divided	1,814	2,285	2,830	3,522	3,669	4,149
All Types	-----	1,369	1,797	1,954	2,110	2,498
County Highway	332	524	567	590	867	1,057
Township Highway	58	103	113	114	158	267
City Street in City Size of:						
Under 1,000 population	566	928	894	1,074	1,106	1,494
1,000 - 4,999 pop.	2,085	2,351	2,287	2,648	3,187	3,478
5,000 and over pop.	2,672	3,991	4,314	4,503	4,673	5,021
All Sizes	-----	2,231	2,311	2,580	2,812	3,187

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.01

SOURCES OF TRANSPORATION FUNDS BY LEVEL OF GOVERNMENT AND MODE OF TRANSPORTATION, NORTH DAKOTA, FISCAL YEAR 1980 ($ Thousands)

Mode	Level of Government Federal	State	Counties	Townships	Cities	All Levels
Highways	75,768	78,572	12,586	6,319	56,434	229,679
Aeronautics	5,075	1,570	167	30	3,872	10,714
Transit	2,080	176	241	-----	1,168	3,665
Bikeways	139	------	------	-----	37	176
All Modes	83,062	80,318	12,994	6,349	61,511	244,234

SOURCE: Data from North Dakota State Highway Dept., Transportation Services Division.

TABLE 6.02

TRANSPORTATION EXPENDITURES BY TYPE OF EXPENDITURE AND MODE OF TRANSPORTATION, NORTH DAKOTA, FISCAL YEAR 1980 ($ Thousand)

Mode	Administration	Capital Outlays	Debt Service	Law Enforcement and Safety	Maintenance	Planning & Research	Total
Highways	8,082	138,842	16,948	9,533	58,106	1,007	232,518
Aeronautics	515	6,479	320	700	2,600	100	10,714
Transit	92	2,093	------	-----	1,658	66	3,909
Bikeways	-----	173	------	-----	3	-----	176
All Modes	8,689	147,587	17,268	10,233	62,367	1,173	247,317

SOURCE: Data from North Dakota State Highway Dept., Transportation Services Division.

TABLE 6.03

MILEAGE OF NORTH DAKOTA ROADS AND STREETS BY ADMINISTRATIVE SYSTEM, SELECTED YEARS, 1961-1980

System	Mileage as of December 31								
	1961	1965	1967	1969	1971	1973	1975	1977	1980
State									
Interstate	586	584	580	578	579	579	582	571	571
Primary	3,882	4,078	4,104	4,105	4,146	4,188	4,167	5,486	5,597
Secondary	1,829	1,865	1,941	2,061	2,133	2,164	2,213	856	946
Urban	------	------	------	------	------	------	27	18	22
State System Only[1]	2	2	2	2	2	4	4	31	31
Total State System[2]	6,299	6,529	6,627	6,746	6,860	6,935	6,993	7,070	7,167
County									
Fed. Aid Secondary	11,070	11,394	11,488	11,513	11,645	11,777	11,780	9,360	9,414
Other County & Township Rural Roads	82,524	86,636	86,448	85,015	84,630	84,005	83,602	85,712	85,538
Incorporated City Streets[3]	1,820	1,983	2,021	2,097	2,079	2,207	2,259	3,044	3,144
Natl. Indian Reservation Roads	562	569	579	494	486	486	497	465	498
Natl. Park Roads	------	------	------	53	53	53	53	54	53
Natl. Forest Service Roads	------	------	------	728	751	752	742	742	725
Natl. Land Mgmt. Roads	------	------	------	3	3	3	3	3	3
State Park & Military Res. Roads	------	------	------	23	23	29	31	32	15
Total Roads and Streets	102,275	107,111	107,163	106,671	106,530	106,247	105,960	106,482	106,526

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

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[1] Not eligible for Federal-aid.

[2] Under jurisdiction of the State Highway Department.

[3] Exclusive of state and county system street mileage shown above.

TABLE 6.07

SUMMARY OF NORTH DAKOTA REVENUES COLLECTED BY THE STATE FOR USE ON ROADS AND STREETS, SELECTED YEARS, 1955-1981

Year[1]	Motor Vehicle Registration & Related Fees	Motor and Special Fuels Taxes				
				Special Fuels		
		Gasoline	Gasohol	Cents Per Gallon Tax[2]	Retail Sales Tax	Total Motor & Special Fuels Taxes
1955	$ 6,912,091	$ 7,930,413	$-------	$ 307,364	$---------	$ 8,237,777
1960	9,134,310	10,798,985	-------	783,005	563,618	12,145,608
1965	11,237,308	12,156,861	-------	1,853,283	793,807	14,803,951
1970	14,115,891	16,342,274	-------	1,873,659	876,477	19,092,410
1974	16,483,536	20,359,553	-------	3,486,887	1,546,438	25,392,878
1975	17,625,584	21,109,948	-------	3,444,073	2,087,788	26,641,809
1976	18,919,401	22,726,560	-------	3,876,031	2,302,180	28,904,771
1977	19,504,195	24,575,095	-------	4,597,013	2,601,065	31,773,173
1978	22,255,575	27,305,238	-------	4,970,112	2,971,684	35,247,034
1979	23,318,515	28,573,941	1,000	6,189,546	3,458,560	38,223,047
1980	22,762,673	26,080,813	199,491	6,479,389	6,086,527	38,846,220
1981	24,001,718	23,974,863	511,606	6,279,801	6,390,079	37,156,349

TABLE 6.07--Continued

Year[1]	Miscellaneous Road-User Revenue: Truck Fees	Miscellaneous Road-User Revenue: Driver License Fees	Total Revenue
1955	$ 684,727	$---------	$15,834,595
1960	443,802	---------	21,723,720
1965	770,642	---------	26,811,901
1970	1,203,302	26,268[3]	34,437,871
1974	2,327,588	---------	44,204,002
1975	2,408,274	---------	46,675,667
1976	2,756,974	776,729	51,357,875
1977	3,233,826	1,374,750	55,885,944
1978	3,479,415	1,294,623	62,276,647
1979	3,908,976	977,818	66,428,356
1980	4,452,182	988,695	67,049,770
1981	4,225,659	1,009,135	66,392,861

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Highway Dept. of Transportation, Highway Statistics, various years.

[1] Fiscal years ending June 30.

[2] 6 cents effective 7/1/55, 7 cents effective 7/1/69, 8 cents effective 7/1/77.

[3] That portion of fees marked for construction of law enforcement training center.

TABLE 6.09

AVERAGE COST PER MILE FOR RURAL HIGHWAY CONSTRUCTION IN NORTH DAKOTA, SELECTED YEARS, 1972-1980

Type of Highway	Construction Cost/Mile for Year 1972	1975	1977	1978	1979	1980
State Highways						
4 Lane Divided Interstate-Highway	$651,333	$811,739	$--------	$--------	$--------	$--------
2 Lane Added to Existing 2 Lane Highway	-------	-------	326,831	329,386	390,069	456,454
2 Lane 52' Roadbed, 400+ ADT Highway	154,087	238,197	203,485	215,537	247,661	272,243
2 Lane 38' Roadbed, 50-400 ADT Highway	98,362	142,430	125,380	149,368	166,419	182,604
Widen Shoulders and Resurface	80,980	143,296	156,224	130,048	159,673	181,715
County Federal Aid Secondary Highway, 32' Roadbed	43,054	72,356	94,023	100,726	118,572	138,090
Township Highway	3,060	4,595	5,957	7,174	7,644	8,333

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.12

NORTH DAKOTA MOTOR VEHICLE AND TRAILER REGISTRATIONS, VARIOUS YEARS, 1965-1980

Calendar Year	Passenger Cars[1]	Trucks[2]	Buses	Motor-cycles	Snow-mobiles[3]
1965	260,275	127,787	510	5,791	------
1970	266,092	152,071	560	11,293	12,192
1971	275,959	157,477	580	13,278	17,615
1972	287,491	164,830	596	15,744	7,805
1973	300,781	177,603	588	18,738	14,653
1974	318,253	195,388	570	22,387	9,295
1975	328,206	208,677	544	24,742	19,513
1976	332,901	215,291	528	24,590	7,329
1977	341,240	222,594	521	26,027	15,905
1978	348,488	232,667	496	27,035	5,345
1979	355,748	242,276	641	28,108	1,294
1980	361,956	245,463	764	29,613	13,668

Calendar Year	House Cars[4]	Publicly Owned Motor Vehicles[5]	Total Motor Vehicle Registrations	Trailer Registra-tions
1965	146	5,712	400,221	7,289
1970	724	7,027	449,959	10,670
1971	1,011	7,378	473,298	12,272
1972	1,378	7,509	485,353	16,521
1973	1,921	7,680	521,964	18,923
1974	2,492	7,927	556,312	22,165
1975	3,244	8,197	593,123	24,095
1976	4,321	8,443	593,403	26,195
1977	5,380	8,573	620,240	27,393
1978	6,560	8,805	629,396	33,460
1979	7,331	8,933	644,331	34,912
1980	7,711	9,229	668,404	39,288

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Included special registrations for ham radio operators, antique automobiles, letter plates and veterans.

[2] Includes special registrations for well drillers, house movers, soil conservation trucks, letter plates, ham radio operators and veterans.

[3] Effective January 1, 1980, snowmobiles are registered for a two-year period beginning January 1 of each even-numbered year. Previously, snowmobiles were registered for a two-year period beginning July 1 of each odd-numbered year.

[4] A house car is defined as a motor vehicle which has been reconstructed or manufactured for private use as sleeping or living quarters.

[5] Vehicles owned by the State and local units of government.

TABLE 6.15

NORTH DAKOTA DRIVERS LICENSES IN FORCE BY AGE OF DRIVER, SELECTED YEARS, 1970-1980

	Year				
Age	1970	1975	1978	1979	1980
14	235	467	250	291	357
15	2,844	4,686	4,495	4,213	4,089
16	7,628	9,735	9,239	9,095	8,582
17	9,722	11,374	11,290	10,942	10,342
18	10,585	11,390	11,689	11,708	11,242
19	10,403	11,698	12,209	12,016	11,577
20	9,028	10,956	11,473	11,937	11,751
21	9,257	10,862	11,632	11,813	11,988
22	8,554	10,240	11,370	11,726	11,570
23	8,265	10,051	11,079	11,372	11,552
24	7,116	9,408	10,873	11,251	11,228
25-29	28,927	39,918	48,740	51,382	53,009
30-34	25,793	30,037	37,489	40,188	42,813
35-39	26,315	26,314	29,376	30,926	31,835
40-44	28,280	26,194	26,608	26,738	26,899
45-49	27,593	27,844	26,673	26,402	26,187
50-54	27,003	26,946	27,592	27,561	27,523
55-59	25,787	25,823	25,685	26,150	26,090
60-64	22,081	23,873	24,443	24,438	24,437
65-69	16,096	19,817	21,390	21,734	21,913
70 and over	19,393	24,921	29,455	31,940	33,774
TOTAL	330,905	372,554	403,050	413,823	418,758

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.16

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA AND PERCENTAGE DISTRIBUTION OF TRAVEL BY ROAD AND STREET SYSTEM, SELECTED YEARS, 1955-1980

Year	Total Annual Vehicle Miles (Millions)	Percent of Annual Miles Traveled on: Rural State Highways	Local Rural Roads and Streets	Incorporated City Streets
1955	2,356	54%	31%	15%
1960	3,079	50	30	20
1965	3,439	50	30	20
1968	3,549	48	31	21
1969	3,654	48	30	22
1970	3,807	49	29	22
1971	3,955	49	29	22
1972	4,116	50	28	22
1973	4,300	50	27	23
1974	4,371	50	27	23
1975	4,502	49	27	24
1976	4,783	49	26	25
1977	4,962	48	26	26
1978	5,287	48	25	27
1979	5,234	47	25	27
1980	5,292	46	25	28

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.18

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA BY COUNTY AND PLACE OF TRAVEL, 1980

(Travel Shown in Thousands of Vehicle Miles)

County	Place of Travel				Percent of Travel By County
	Rural Area	Cities Under 5,000 Population	Cities Over 5,000 Population	Total County Travel	
Adams	26,632	3,451	--------	30,083	0.57
Barnes	130,176	3,145	23,383	156,704	2.94
Benson	74,139	4,112	--------	78,251	1.48
Billings	44,582	427	--------	45,009	0.85
Bottineau	81,981	10,271	--------	92,252	1.74
Bowman	35,249	6,853	--------	42,102	0.80
Burke	36,182	4,544	--------	40,726	0.77
Burleigh	138,961	1,000	190,924	330,885	6.25
Cass	259,125	21,485	345,009	625,619	11.82
Cavalier	51,522	9,532	--------	61,054	1.15
Dickey	47,614	7,806	--------	55,420	1.05
Divide	30,959	3,710	--------	34,669	0.66
Dunn	46,813	2,692	--------	49,505	0.94
Eddy	24,736	3,856	--------	28,592	0.54
Emmons	40,827	4,086	--------	44,913	0.85
Foster	35,575	4,878	--------	40,453	0.76
Golden Valley	31,991	3,362	--------	35,353	0.67
Grand Forks	219,303	6,304	182,634	408,241	7.72
Grant	30,772	2,577	--------	33,349	0.63
Griggs	28,983	3,314	--------	32,297	0.61
Hettinger	30,834	4,028	--------	34,862	0.66
Kidder	65,754	2,471	--------	68,225	1.29
LaMoure	51,115	4,490	--------	55,605	1.05
Logan	21,139	2,345	--------	23,484	0.44
McHenry	49,761	8,599	--------	88,360	1.67
McIntosh	27,349	4,608	--------	31,957	0.60
McKenzie	128,236	4,878	--------	133,114	2.52
McLean	124,512	9,235	--------	133,747	2.53
Mercer	62,140	6,756	--------	68,896	1.30
Morton	136,630	4,981	82,027	223,638	4.23
Mountrail	69,094	6,559	--------	75,653	1.43
Nelson	51,279	5,641	--------	56,920	1.08
Oliver	23,976	876	--------	24,852	0.47
Pembina	89,964	12,981	--------	102,945	1.94
Pierce	42,110	7,178	--------	49,288	0.93

TABLE 6.18--Continued

County	Place of Travel				Percent of Travel By County
	Rural Area	Cities Under 5,000 Population	Cities Over 5,000 Population	Total County Travel	
Ramsey	86,001	1,765	28,651	116,417	2.20
Ransom	33,454	8,745	--------	42,199	0.80
Renville	31,903	2,686	--------	34,589	0.65
Richland	116,131	8,076	27,334	151,541	2.86
Rolette	64,474	8,077	--------	72,551	1.37
Sargent	43,347	4,623	--------	47,970	0.91
Sheridan	26,269	1,860	--------	28,129	0.53
Sioux	23,303	572	--------	23,875	0.45
Slope	23,495	980	--------	24,475	0.46
Stark	131,593	4,068	57,773	193,434	3.66
Steele	34,262	3,066	--------	37,328	0.71
Stutsman	158,578	2,857	58,941	220,376	4.17
Towner	33,704	3,929	--------	37,633	0.71
Traill	99,517	12,327	--------	111,844	2.11
Walsh	112,623	8,015	15,080	135,718	2.57
Ward	182,022	8,738	148,236	338,996	6.41
Wells	59,718	5,873	--------	65,591	1.24
Williams	115,548	6,935	49,485	171,968	3.25
NORTH DAKOTA	3,795,957	286,223	1,209,477	5,291,657	100.00

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1981.

TABLE 6.19

MOTOR VEHICLE ACCIDENT FATALITIES AND FATALITY RATE, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1960-1980

	North Dakota		United States	
Year	Fatalities	Fatality Rate*	Fatalities	Fatality Rate*
1960	156	5.06	38,200	5.30
1963	193	5.80	43,000	5.50
1964	185	5.44	47,700	5.70
1965	162	4.71	49,000	5.57
1966	209	6.01	52,500	5.67
1967	201	5.84	51,559	5.34
1968	198	5.58	53,831	5.28
1969	182	4.99	55,032	5.16
1970	177	4.65	53,672	4.82
1971	227	5.70	53,761	4.54
1972	208	5.19	55,704	4.40
1973	208	4.83	55,113	4.19
1974	162	3.71	46,078	3.59
1975	169	3.75	45,511	3.42
1976	182	3.81	46,398	3.29
1977	180	3.63	47,671	3.25
1978	185	3.50	50,145	3.27
1979	128	2.50	51,083	3.35
1980	151	2.85	51,700	3.41

SOURCE: North Dakota Highway Dept., North Dakota Vehicular Accident Facts, various years.

* Traffic deaths per 100 million vehicle miles of travel.

TABLE 6.20

NORTH DAKOTA MOTOR VEHICLE ACCIDENTS, FATALITIES AND INJURIES, SELECTED YEARS, 1970-1980[1]

Type of Motor Vehicle Accident[2]	1970			1971		
	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury
Overturning[3]	2,725	59	1,392	1,339	44	779
Other Non-collision	465	9	63	344	---	33
Collision with:						
Pedestrian	194	15	190	180	16	176
MV on Same Roadway	16,553[4]	82[4]	3,962[4]	12,118	113	3,925
MV on Other Roadway	(4)	(4)	(4)	2	---	6
Parked MV	(4)	(4)	(4)	3,404	3	167
RR Train	85	6	41	84	15	41
Pedal Cyclist	90	1	93	100	4	96
Animal	861	---	63	917	3	84
Fixed Object	1,400	5	290	2,554	29	867
Other Object	62	---	15	28	---	9
Unknown	------	---	------	96	---	36
All Accidents	22,435	177	61,109	21,166	227	6,219
	1972			1973		
Overturning	1,342	47	830	1,600	63	969
Other Non-collision	325	8	125	331	9	154
Collision with:						
Pedestrian	165	17	142	189	14	168
MV on Same Roadway	11,069	90	3,122	8,450	94	2,687
MV on Other Roadway	110	2	34	14	---	7
Parked MV	2,433	---	191	1,651	3	190
RR Train	77	15	29	57	5	26
Pedal Cyclist	86	2	72	116	2	104
Animal	706	---	44	720	---	30
Fixed Object	1,909	25	628	1,606	18	579
Other Object	115	2	39	47	---	10
Unknown	------	---	-----	------	---	-----
All Accidents	18,337	208	5,254	14,781	208	4,924

TABLE 6.11

HISTORIC TREND IN NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS, MOTOR FUEL CONSUMPTION ON HIGHWAYS, AND VEHICLE MILES OF HIGHWAY TRAVEL, SELECTED YEARS, 1920-1980[1]

Calendar Year	Population[2]	Motor Vehicle Registrations		Gallons of Fuel Taxed for Highways		Annual Vehicle Miles of Travel in North Dakota	
		Total Vehicles Registered	Persons Per Vehicle	Total Gallons Taxed (Thousands)	Gallons Per Vehicle	Total Vehicle Miles of Travel (Millions)	Miles Per Vehicle
1920	646,872	91,799	7.0	21,587	235	287	3,127
1930	680,845	183,019	3.7	65,525	358	930	5,081
1940	641,935	183,092	3.5	85,780	469	1,284	7,013
1950	619,636	275,183	2.3	134,913	490	2,102	7,639
1960	632,446	343,780	1.8	210,443	612	3,079	8,956
1970	617,761	426,474	1.5	301,592	707	3,807	8,927
1973	635,000	468,573	1.3	369,942	757	4,300	8,801
1974	637,000	524,630	1.2	352,934	673	4,371	8,332
1975	637,000	549,378	1.2	377,171	672	4,502	8,195
1976	645,000	561,484	1.1	413,815	737	4,783	8,518
1977	653,000	578,308	1.1	422,076[3]	730[3]	4,962	8,580
1978	652,000	597,016	1.1	442,394[3]	741[3]	5,287	8,856
1979	640,000	426,474	1.5	301,592	707	3,807	8,927
1980	652,695	625,064	1.0	409,908	656	5,292	8,466

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Private and official passenger cars, trucks, and buses. Excludes motorcycles and snowmobiles.

[2] Estimated 1973-1979.

[3] Estimated.

TABLE 6.13

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY COUNTY, SELECTED YEARS, 1950-1980

	Year									
County	1950	1960	1970	1974	1975	1976	1977	1978	1979	1980
Adams	2,554	2,968	3,607	4,328	4,406	4,354	4,516	4,583	4,646	4,723
Barnes	7,901	9,254	11,825	13,824	14,682	14,637	15,162	15,390	15,630	16,167
Benson	4,316	5,054	6,107	7,345	7,779	7,629	7,832	8,044	8,065	8,314
Billings	757	834	1,015	1,086	1,117	1,062	1,082	1,125	1,175	1,305
Bottineau	5,811	6,810	8,555	10,034	10,875	10,409	10,855	10,600	10,731	11,494
Bowman	2,311	2,940	3,715	4,748	5,006	5,023	5,216	5,397	5,422	5,624
Burke	3,501	3,876	4,557	3,305	5,613	5,318	5,405	5,327	5,369	5,567
Burleigh	10,959	17,293	27,797	37,514	41,022	43,577	47,511	50,527	53,027	56,343
Cass	24,553	32,611	47,245	64,101	69,760	72,179	77,835	79,566	81,318	85,014
Cavalier	5,177	6,015	7,891	11,171	11,403	11,122	10,180	9,933	9,851	10,224
Dickey	3,996	4,605	5,693	6,801	7,178	7,126	7,475	7,547	7,755	8,112
Divide	3,366	3,554	4,173	5,036	5,219	5,137	5,134	5,189	5,153	5,176
Dunn	2,974	3,178	3,842	4,308	4,350	4,204	4,286	4,666	4,966	5,322
Eddy	2,310	2,729	3,341	4,012	4,163	4,114	4,221	4,324	4,343	4,442
Emmons	3,864	4,736	5,548	6,354	6,592	6,583	6,711	6,796	6,874	6,978
Foster	2,537	3,235	3,996	4,926	5,163	5,262	5,455	5,627	5,610	5,699
Golden Valley	2,032	2,192	2,487	2,996	3,053	3,042	3,085	3,175	3,280	3,497
Grand Fks	15,083	21,357	33,339	43,047	46,003	48,014	51,473	52,051	52,390	53,231
Grant	3,072	3,789	4,269	4,987	5,012	4,920	5,022	5,147	5,231	5,439
Griggs	2,651	3,157	3,920	4,815	4,982	4,743	4,734	4,777	4,826	4,837
Hettinger	3,692	4,056	4,675	5,664	5,784	5,682	5,800	5,792	5,882	6,156
Kidder	2,405	2,871	3,529	4,175	4,301	4,265	4,450	4,531	4,560	4,591
LaMoure	4,477	5,236	6,503	7,759	8,090	7,995	8,168	8,331	8,605	8,663
Logan	2,656	3,024	3,363	4,039	4,182	4,145	4,255	4,377	4,422	4,416
McHenry	5,714	6,329	7,380	8,890	9,409	9,058	9,262	9,424	9,700	9,814
McIntosh	3,350	3,952	4,517	5,055	5,273	5,176	5,424	5,515	5,655	5,893
McKenzie	3,619	4,546	5,511	6,331	6,522	6,419	6,623	6,889	7,325	8,160
McLean	8,633	8,212	9,945	12,109	12,781	12,724	13,236	13,792	14,241	14,807
Mercer	3,800	3,999	5,284	6,497	7,068	7,193	7,658	8,195	9,173	10,456
Morton	7,729	10,264	13,960	18,134	19,565	20,310	21,886	23,396	24,660	26,170

TABLE 6.13--Continued

County	Year 1950	1960	1970	1974	1975	1976	1977	1978	1979	1980
Mountrail	5,166	6,167	7,062	8,701	9,230	8,721	8,859	9,212	9,604	9,908
Nelson	3,803	4,498	5,561	6,563	7,077	7,074	6,968	6,758	6,781	6,924
Oliver	1,201	1,195	1,722	2,065	2,307	2,322	2,417	2,435	2,511	2,636
Pembina	6,746	8,017	9,813	12,514	12,946	12,407	12,598	12,539	12,532	12,839
Pierce	3,685	4,111	5,730	6,413	6,804	6,537	6,669	6,666	6,660	6,861
Ramsey	6,325	7,519	9,936	12,108	12,802	12,885	13,299	13,237	13,386	13,754
Ransom	3,972	4,575	5,373	6,798	7,057	6,869	7,095	7,164	7,263	7,456
Renville	2,835	3,013	3,874	4,721	5,115	4,652	4,699	4,616	4,670	4,859
Richland	8,884	10,081	12,950	16,501	17,682	17,576	18,491	18,506	18,829	19,763
Rolette	3,408	3,987	6,202	8,222	8,829	8,476	8,896	9,091	9,192	9,493
Sargent	3,355	3,860	4,779	6,350	6,594	6,338	6,444	6,406	6,574	6,695
Sheridan	2,317	2,555	3,181	3,613	3,782	3,760	3,771	3,788	3,747	3,800
Sioux	1,029	1,304	1,639	2,184	2,251	2,098	2,163	2,281	2,291	2,358
Slope	1,211	1,273	1,376	1,561	1,641	1,599	1,567	1,594	1,639	1,687
Stark	6,711	8,929	12,841	16,171	17,011	17,649	18,936	20,567	22,363	25,019
Steele	2,672	3,177	3,659	4,079	4,327	4,160	4,260	4,162	4,223	4,352
Stutsman	9,653	13,092	17,180	21,568	23,031	23,329	24,567	25,299	25,840	26,390
Towner	3,199	3,681	4,596	5,403	5,727	5,390	5,532	5,367	5,398	5,619
Traill	6,054	6,817	8,008	9,797	10,613	10,502	10,743	10,651	10,722	10,991
Walsh	9,074	10,765	13,528	16,353	17,316	17,246	17,664	17,484	17,504	17,848
Ward	14,828	22,656	34,450	44,671	49,795	48,848	50,899	51,521	52,254	53,752
Wells	4,752	5,382	6,601	7,814	8,263	8,239	8,265	8,427	8,523	8,735
Williams	8,152	13,036	15,817	19,024	20,307	20,576	21,784	23,117	24,687	27,553
Out-of-State*	1,383	2,589	3,314	5,488	5,781	6,057	6,360	6,646	7,757	8,304
Total	276,227	344,955	456,981	574,073	612,641	614,732	642,948	657,567	674,835	704,230

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Vehicles licensed in this state but headquartered in another.

TABLE 6.14

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY TYPE, BY COUNTY, CALENDAR YEAR, 1980

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motorcycles	Farm Trucks	Commmercial Trailers	Travel Trailers	Snowmobiles[2]	Total Registrations[3]
Adams	1,916	2,004	39	46	175	130	217	142	40	4,723
Barnes	7,791	5,517	228	134	776	517	456	255	466	16,167
Benson	3,729	3,312	114	49	237	341	284	124	112	8,314
Billings	486	632	19	11	29	42	60	13	11	1,305
Bottineau	4,848	4,405	177	109	435	396	252	191	659	11,494
Bowman	2,355	2,390	50	60	135	144	266	134	66	5,624
Burke	2,291	2,285	77	80	220	218	126	122	143	5,567
Burleigh	33,635	13,105	1,794	830	2,940	257	1,570	1,504	589	56,343
Cass	53,436	19,012	885	787	3,699	1,207	2,015	1,920	1,897	85,014
Cavalier	4,275	3,805	92	140	374	597	287	250	387	10,224
Dickey	3,792	2,868	110	63	345	268	324	133	198	8,112
Divide	2,000	2,270	75	62	191	277	122	107	60	5,176
Dunn	2,115	2,410	94	40	139	180	216	56	62	5,322
Eddy	2,041	1,649	34	56	146	167	176	83	82	4,442
Emmons	3,100	2,825	88	69	228	150	214	139	150	6,978
Foster	2,561	2,075	70	86	214	292	203	113	62	5,699
Golden Valley	1,389	1,546	34	33	124	130	142	48	46	3,497
Grand Forks	32,791	12,711	622	496	2,410	1,133	834	1,265	919	53,231
Grant	2,097	2,469	52	41	178	159	259	99	72	5,439
Griggs	2,163	1,898	55	43	204	219	129	65	57	4,837
Hettinger	2,561	2,510	52	62	248	327	199	101	83	6,156
Kidder	1,933	1,887	46	48	150	92	267	82	78	4,591
LaMoure	3,759	3,361	106	83	329	403	324	145	140	8,663
Logan	1,855	1,783	44	44	113	120	242	69	138	4,416
McHenry	4,203	4,000	120	86	302	303	371	175	234	9,814
McIntosh	2,785	2,205	87	76	162	145	217	92	117	5,893
McKenzie	3,097	3,514	104	73	271	363	415	210	94	8,160
McLean	6,612	5,586	180	179	556	483	385	411	380	14,807
Mercer	5,000	3,656	108	153	586	139	226	272	302	10,456
Morton	13,452	8,251	362	417	1,410	287	881	735	331	26,170

TABLE 6.14--Continued

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motorcycles	Farm Trucks	Commercial Trailers	Travel Trailers	Snowmobiles[2]	Total Registrations[3]
Mountrail	4,105	4,081	115	123	286	403	301	274	203	9,908
Nelson	3,088	2,697	110	46	203	332	160	146	130	6,924
Oliver	1,148	1,014	35	48	126	55	85	65	57	2,636
Pembina	5,841	4,539	150	96	454	898	334	222	266	12,839
Pierce	3,205	2,673	37	55	215	213	154	123	169	6,861
Ramsey	7,270	4,343	214	119	540	443	283	271	237	13,754
Ransom	3,623	2,487	95	58	297	254	295	171	155	7,456
Renville	1,986	1,983	66	46	143	227	133	99	166	4,859
Richland	10,172	5,983	244	157	863	886	438	369	590	19,763
Rolette	4,842	3,466	118	68	282	171	165	151	202	9,493
Sargent	3,030	2,337	79	55	216	293	354	143	174	6,695
Sheridan	1,498	1,607	38	45	168	167	139	73	55	3,800
Sioux	1,070	972	28	18	63	34	114	30	25	2,358
Slope	579	813	8	12	63	92	79	27	13	1,687
Stark	13,142	8,098	257	312	1,304	340	682	573	265	25,019
Steele	1,768	1,742	56	26	113	357	104	67	112	4,352
Stutsman	13,598	7,959	264	349	1,640	601	902	536	473	26,390
Towner	2,216	2,249	67	64	156	309	166	100	270	5,619
Traill	5,163	3,693	156	91	349	727	263	216	313	10,991
Walsh	8,468	6,197	225	134	553	1,200	298	320	403	17,848
Ward	30,754	14,750	559	794	2,499	707	1,127	1,526	926	53,752
Wells	4,050	3,104	100	92	368	482	229	142	148	8,735
Williams	13,344	9,829	289	368	1,253	639	783	691	298	27,553
Out-of-State[4]	3,558	3,479	1	79	133	99	771	118	43	8,304
Total	361,586	226,036	9,229	7,711	29,613	19,415	20,038	15,508	13,668	704,230

SOURCE: North Dakota Motor Vehicle Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1981.

[1] Includes taxicabs, intracity and private buses, and vehicles with special letter plate registrations.

[2] Registered for two-year periods.

[3] Also includes vehicles other than categories specified; i.e., housemovers, antique cars, well drillers, ham operators, veterans, mobile homes, Soil Conservation trucks and interstate buses.

[4] Licensed in North Dakota but headquartered in other states.

TABLE 6.17

ESTIMATED 1980 ANNUAL VEHICLE MILES OF TRAVEL ON ALL ROADS AND STREETS
(Travel Shown in Thousands of Miles)

Vehicle Type	FAI System	Principal Arterial System	Minor Arterial System	Major Collector System	Minor Collector System	Other Rural Roads	Inc. Streets	Total
Passenger Cars								
Local	301,543	724,640	657,981	495,989	71,515	220,315	286,465	2,758,448
Foreign	146,280	66,847	41,266	10,806	1,632	4,897	6,160	277,888
Motorcycles	5,494	7,695	4,921	4,886	365	4,447	20	27,828
Buses[1]	15,758	11,369	10,641	11,264	5,444	18,857	160	73,493
Single Unit Trucks								
Panels and Pickups[2]	152,783	317,152	373,265	297,171	70,635	245,026	46,075	1,502,107
2 Axle, 6 Tire	23,651	34,596	49,066	59,008	18,220	34,224	6,240	225,005
3 Axle	9,791	17,205	19,895	14,040	5,593	21,108	625	88,257
Semitrailer Comb.								
3 Axle	1,347	1,489	1,195	613	104	675	80	5,503
4 Axle	5,901	3,176	3,896	1,918	514	1,126	60	16,591
5 Axle or More	137,960	55,159	50,538	15,948	3,458	7,092	330	270,485
Full Trailer Comb.								
5 Axle or Less	12,193	5,769	4,739	1,781	1,371	4,447	-------	30,300
6 Axle or More	6,843	4,404	2,646	784	399	676	-------	15,752
TOTAL	819,544	1,249,501	1,220,049	914,208	179,250	562,890	346,215	5,291,657

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1981.

Open entries indicate less than 0.1 of 1%.

[1] Commercial, school and camper buses combined.

[2] 2 Axle, 4 Tire combined with Panels and Pickups.

TABLE 6.20--Continued

Type of Motor Vehicle Accident[2]	1974			1976		
	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury
Overturning	1,471	44	802	1,793	32	1,122
Other Non-collision	298	1	159	244	1	137
Collision with:						
Pedestrian	131	9	127	154	12	149
MV on Same Roadway	7,864	57	2,576	9,912	84	3,579
MV on Other Roadway	75	3	16	20	--	6
Parked MV	1,453	5	204	1,706	2	231
RR Train	71	8	41	75	12	39
Pedal Cyclist	96	2	95	103	2	104
Animal	603	--	44	661	1	58
Fixed Object	1,608	32	607	1,875	35	731
Other Object	70	--	31	206	1	90
Unknown	-----	--	-----	7	--	6
All Accidents	13,740	161	4,800	16,756	182	6,252
	1978			1980		
Overturning	1,783	40	1,020	1,580	36	693
Other Non-collision	176	2	75	205	--	72
Collision with:						
Pedestrian	157	12	149	131	12	117
MV on Same Roadway	11,380	78	3,758	8,104	43	1,848
MV on Other Roadway	15	--	7	6	--	1
Parked MV	1,854	1	217	11,533	--	175
RR Train	67	11	36	35	4	14
Pedal Cyclist	102	1	106	105	--	102
Animal	501	1	29	688	--	31
Fixed Object	1,823	37	749	2,147	36	736
Other Object	176	2	60	199	2	71
Unknown	3	--	-----	4	--	-----
All Accidents	18,037	185	6,206	14,737	133	3,860

SOURCE: North Dakota Highway Dept., Vehicular Accident Facts, various years.

[1] Data for 1970 are not strictly comparable with data for other years. See notes below and/or source cited.

[2] Refers to traffic accidents which must, under State Law, be reported. Includes all motor vehicle accidents resulting in death, personal injury, or damage to property in excess of $300 ($50 prior to 1975).

[3] Includes "running off roadway" for 1970.

[4] Data represent category "collision with other motor vehicle" for 1970. No breakdown available.

TABLE 6.21

REPORTABLE MOTOR VEHICLE ACCIDENTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1973-1980

County	1973	1978	1979	1980
NORTH DAKOTA	14,781	18,037	18,233	14,737
Adams	50	64	66	52
Barnes	352	428	500	357
Benson	120	112	101	127
Billings	33	41	42	70
Bottineau	157	204	175	187
Bowman	68	105	107	91
Burke	42	67	67	69
Burleigh	1,512	2,436	2,351	1,756
Cass	2,880	3,525	3,394	2,404
Cavalier	200	136	122	132
Dickey	149	155	109	83
Divide	99	67	66	41
Dunn	30	42	59	88
Eddy	88	101	100	85
Emmons	84	72	80	73
Foster	79	144	136	86
Golden Valley	39	53	53	55
Grand Forks	1,335	1,846	1,929	1,244
Grant	69	58	53	52
Griggs	60	45	80	73
Hettinger	58	57	51	50
Kidder	77	78	88	56
LaMoure	72	38	57	75
Logan	63	66	51	49
McHenry	127	114	135	134
McIntosh	103	77	75	83
McKenzie	96	169	183	239
McLean	182	210	246	199
Mercer	112	236	236	210
Morton	524	757	803	612

TABLE 6.21--Continued

County	1973	1978	1979	1980
Mountrail	112	132	123	188
Nelson	103	112	105	97
Oliver	38	52	69	47
Pembina	192	181	156	131
Pierce	89	124	150	118
Ramsey	520	357	307	250
Ransom	118	134	104	104
Renville	24	48	73	56
Richland	311	377	397	306
Rolette	139	175	168	157
Sargent	132	42	39	45
Sheridan	42	45	46	40
Sioux	18	40	27	27
Slope	31	28	27	38
Stark	491	630	715	688
Steele	56	63	62	45
Stutsman	894	863	882	652
Towner	48	43	31	32
Traill	158	186	220	147
Walsh	287	394	380	298
Ward	1,436	1,591	1,598	1,386
Wells	152	170	142	122
Williams	530	747	897	931

SOURCE: North Dakota Highway Dept., Vehicular Accident Facts, various years.

TABLE 6.22

STATISTICS OF NORTH DAKOTA MOTOR CARRIERS BY CLASS OF CARRIER, SELECTED YEARS, 1975-1980[1]

Account or Item	Class "A" Motor Carriers of Property				
	1975	1976	1978	1979	1980
Carriers Reporting	17	16	15	14	14
Total Revenue (000)	$12,581	$13,756	$17,836	$17,297	$20,367
Total Expenses (000)	$11,945	$13,125	$17,320	$16,909	$19,460
Vehicle Miles Operated (000)	8,259	8,359	9,278	7,963	8,139
Tons Carried (000)	228	243	282	235	224

Account or Item	Class "A" Motor Carriers of Passengers				
	1975	1976	1978	1979	1980
Carriers Reporting	14	12	12	11	11
Total Revenue (000)	$2,732	$2,738	$3,341	$3,629	$4,428
Total Expenses (000)	$2,629	$2,644	$3,190	$3,470	$4,193
Vehicle Miles Operated (000)	2,984	2,822	2,870	2,706	2,950
Tons Carried[2] (000)	342	306	316	289	331

Account or Item	Special Motor Carriers of Property				
	1975	1976	1978	1979	1980
Carriers Reporting	150	145	126	116	117
Total Revenue (000)	$13,506	$15,807	$11,655	$11,311	$16,183
Total Expenses (000)	$12,525	$14,921	$10,856	$10,474	$15,402
Vehicle Miles Operated (000)	17,109	17,620	13,751	10,734	12,230
Tons Carried (000)	855	886	1,148	753	647

Account or Item	Contract Motor Carriers of Property				
	1975	1976	1978	1979	1980
Carriers Reporting	22	28	26	22	19
Total Revenue (000)	$4,424	$4,870	$4,590	$6,387	$6,237
Total Expenses (000)	$3,948	$4,442	$4,188	$5,666	$5,713
Vehicle Miles Operated (000)	6,753	7,293	5,366	6,529	5,874
Tons Carried (000)	987	1,662	858	1,394	1,184

TABLE 6.22--Continued

	Special Petroleum Carriers				
Account or Item	1975	1976	1978	1979	1980
Carriers Reporting	6	5	4	5	6
Total Revenue (000)	$7,160	$7,680	$9,144	$11,773	$11,354
Total Expenses (000)	$7,158	$7,546	$8,856	$11,359	$11,165
Vehicle Miles Operated (000)	8,822	8,437	8,867	9,750	7,975
Tons Carried (000)	1,141	1,085	1,154	------	------

	Agricultural Motor Carriers of Property (Exc. carriers with special, Class "A" or contract authority)[3]	
Account or Item	1975	1976
Carriers Reporting	189	176
Total Revenues (000)	$2,963	$2,879
Total Expenses (000)	$2,376	$2,232
Vehicle Miles Operated (000)	7,205	6,505
Tons Carried (000)	372	280

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] North Dakota operations only. Where total interstate and intrastate operations are reported as a single item by the carriers, North Dakota operations have been segregated on an appropriate basis by the Public Service Commission.

[2] Item indicates number of passengers for Class "A" Motor Carriers of Passengers.

[3] Since agricultural carriers were deregulated in 1979, the majority did not file reports of their 1978 operations.

TABLE 6.25

REVENUE FREIGHT ORIGINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1980

(Showing All Commodities by General Classes)

Commodity	Burl. No., Inc.		Soo Line	
	C.L.	Tons	C.L.	Tons
Farm Products	67,593	5,347,819	29,119	2,443,748
Forest Products	------	---------	------	---------
Fresh Fish & Marine Products	------	---------	------	---------
Metallic Ores	1	50	------	---------
Coal	33,643	2,988,224	2,408	178,431
Crude Oil, Nat. Gasoline & Gas	599	44,164	------	---------
Nonmet. Minerals, Exc. Fuels	658	61,644	1	64
Ordnance & Accessories	------	---------	------	---------
Food & Kindred Products	15,934	991,297	74	3,620
Tobacco Products	1	47	------	---------
Basic Textiles	1	52	------	---------
Finished Textile Products	-------	---------	------	---------
Lumber & Prod., Exc. Furniture	33	1,229	19	990
Furniture & Fixtures	3	53	------	---------
Pulp, Paper & Allied Products	14	277	4	168
Printed Matter	1	18	------	---------
Chemicals & Allied Products	9,684	890,876	381	37,763
Petroleum & Coal Products	3,985	250,741	3	224
Rubber & Miscellaneous	11	186	------	---------
Leather & Leather Products	-------	---------	------	---------
Stone, Clay, Glass Products	130	8,236	------	---------
Primary Metal Products	15	874	5	339
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	6	202	2	77
Machinery, Exc. Electrical	561	11,783	1	28
Elec. Mach., Equip. & Supplies	10	351	3	68
Transportation Equipment	76	1,433	27	718
Time, Photo, Optical Goods	-------	---------	------	---------
Misc. Products of Manufacturing	-------	---------	------	---------
Waste & Scrap Materials	472	25,734	283	17,492
Misc. Freight Shipments	9	140	4	91
Shipping Containers, Ret. Empty	62	926	18	325
Freight Forwarder Traffic	-------	---------	------	---------
Shipper Ass'n., Etc., Traffic	1	13	------	---------
Other Mixed Misc. Shipments	173	2,650	6	187
TOTAL CL TRAFFIC	133,676	10,629,019	32,358	2,684.333
Small Packaged Shipments	-------	----------	------	---------
TOTAL CL & LCL TONS	-------	10,629,019	------	2,684,333

TABLE 6.25--Continued

Commodity Class	Milwaukee C.L.	Milwaukee Tons	Chgo. & NW C.L.	Chgo. & NW Tons
Farm Products	2,034	140,243	310	17,306
Forest Products	------	---------	---	------
Fresh Fish & Marine Products	------	---------	---	------
Metallic Ores	------	---------	---	------
Coal	27,144	2,602,261	---	------
Crude Oil, Nat. Gasoline & Gas	------	---------	---	------
Nonmet. Minerals, Exc. Fuels	16	1,037	---	------
Ordnance & Accessories	------	---------	---	------
Food & Kindred Products	2	87	41	1,509
Tobacco Products	------	---------	---	------
Basic Textiles	------	---------	---	------
Finished Textile Products	------	---------	---	------
Lumber & Prod., Exc. Furniture	1	21	---	------
Furniture & Fixtures	------	---------	---	------
Pulp, Paper & Allied Products	------	---------	---	------
Printed Matter	------	---------	---	------
Chemicals & Allied Products	------	---------	---	------
Petroleum & Coal Products	506	34,521	---	------
Rubber & Miscellaneous	------	---------	---	------
Leather & Leather Products	------	---------	---	------
Stone, Clay, Glass Products	------	---------	---	------
Primary Metal Products	------	---------	---	------
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	------	---------	---	------
Machinery, Exc. Electrical	------	---------	---	------
Elec. Mach., Equip. & Supplies	------	---------	---	------
Transportation Equipment	------	---------	---	------
Time, Photo, Optical Goods	------	---------	---	------
Misc. Products of Manufacturing	------	---------	---	------
Waste & Scrap Materials	2	85	---	------
Misc. Freight Shipments	------	---------	---	------
Shipping Containers, Ret. Empty	------	---------	---	------
Freight Forwarder Traffic	------	---------	---	------
Shipper Ass'n., Etc., Traffic	4	20	---	------
Other Mixed Misc. Shipments	------	---------	---	------
TOTAL CL TRAFFIC	129,709	2,778,275	351	18,815
Small Packaged Shipments	------	---------	---	------
TOTAL CL & LCL TONS	------	2,778,275	---	18,815

TABLE 6.25--Continued

Commodity Class	Total All Railroads	
	C.L.	Tons
Farm Products	99,056	7,949,116
Forest Products	------	---------
Fresh Fish & Marine Products	------	---------
Metallic Ores	1	50
Coal	63,195	5,768,916
Crude Oil, Nat. Gasoline & Gas	599	44,164
Nonmet. Minerals, Exc. Fuels	675	62,745
Ordnance & Accessories	------	---------
Food & Kindred Products	16,051	996,513
Tobacco Products	1	47
Basic Textiles	1	52
Finished Textile Products	------	---------
Lumber & Prod., Exc. Furniture	53	2,240
Furniture & Fixtures	3	53
Pulp, Paper & Allied Products	18	445
Printed Matter	1	18
Chemicals & Allied Products	10,065	928,639
Petroleum & Coal Products	4,494	285,486
Rubber & Miscellaneous	11	186
Leather & Leather Products	------	---------
Stone, Clay, Glass Products	130	8,236
Primary Metal Products	20	1,213
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	8	279
Machinery, Exc. Electrical	562	11,811
Elec. Mach., Equip. & Supplies	13	419
Transportation Equipment	103	2,151
Time, Photo, Optical Goods	------	---------
Misc. Products of Manufacturing	------	---------
Waste & Scrap Materials	757	43,311
Misc. Freight Shipments	13	231
Shipping Containers, Ret. Empty	80	1,251
Freight Forwarder Traffic	------	---------
Shipper Ass'n., Etc., Traffic	5	33
Other Mixed Misc. Shipments	179	2,837
TOTAL CL TRAFFIC	196,094	16,110,442
Small Packaged Shipments	------	---------
TOTAL CL & LCL TONS	------	16,110,442

SOURCE: North Dakota Public Service Commission, Accounting Department, Railroad Freight Commodity Statistics Revenue Freight Originating and Terminating on All Railroads in North Dakota, 1980.

TABLE 6.26

REVENUE FREIGHT TERMINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1980

(Showing All Commodities by General Classes)

Commodity Class	Burl. No., Inc.		Soo Line	
	C.L.	Tons	C.L.	Tons
Farm Products	7,226	609,723	136	13,727
Forest Products	2	36	-----	------
Fresh Fish & Marine Products	-----	------	29	1,406
Metallic Ores	2	112	-----	------
Coal	21,904	1,990,418	63	3,206
Crude Oil, Nat. Gasoline & Gas	365	25,171	-----	------
Nonmet. Minerals, Except Fuels	1,180	77,424	14	711
Ordnance & Accessories	-----	------	-----	------
Food & Kindred Products	3,335	139,728	160	9,749
Tobacco Products	16	472	-----	------
Basic Textiles	7	138	3	131
Finished Textile Products	-----	------	-----	------
Lumber & Prod., Exc. Furniture	881	39,126	73	3,377
Furniture & Fixtures	435	3,390	43	451
Pulp, Paper & Allied Products	1,913	52,903	65	3,369
Printed Matter	1	20	-----	------
Chemicals & Allied Products	7,020	575,931	1,974	172,119
Petroleum & Coal Products	4,117	287,903	654	51,560
Rubber & Miscellaneous	453	6,649	6	74
Leather & Leather Products	1	17	-----	------
Stone, Clay Glass Products	2,307	127,743	306	20,732
Primary Metal Products	2,266	122,776	39	1,854
Fabricated Metal Products, Exc. Ordnance, Mach. & Transp.	395	12,666	20	969
Machinery, Except Electrical	1,238	21,417	290	4,388
Elec. Machinery, Equip. & Supplies	94	3,622	8	206
Transportation Equipment	624	12,922	57	472
Time, Photo, Optical Goods	-----	------	-----	------
Mics. Products of Manufacturing	9	166	-----	------
Waste & Scrap Materials	44	2,052	17	869
Misc. Freight Shipments	9	263	-----	------
Shipping Containers, Ret. Empty	4	43	-----	------
Freight Forwarder Traffic	7	121	-----	------
Shipper Ass'n., Etc., Traffic	482	8,378	-----	------
Other Mixed Misc. Shipments	1,304	20,668	87	866
TOTAL CL TRAFFIC	57,641	4,141,998	4,044	290,236
Small Packaged Shipments	-----	------	-----	------
TOTAL CL & LCL TONS	-----	4,141,898	-----	290,236

TABLE 6.26--Continued

Commodity Class	Milwaukee		Chgo. & NW	
	C.L.	Tons	C.L.	Tons
Farm Products	4	305	--	--
Forest Products	--	-----	--	--
Fresh Fish & Marine Products	--	-----	--	--
Metallic Ores	--	-----	--	--
Coal	7	380	--	--
Crude Oil, Nat. Gasoline & Gas	--	-----	--	--
Nonmet. Minerals, Exc. Fuels	30	760	--	--
Ordnance & Accesories	--	-----	--	--
Food & Kindred Products	--	-----	1	47
Tobacco Products	--	-----	--	--
Basic Textiles	--	-----	--	--
Finished Textile Products	--	-----	--	--
Lumber & Prod., Exc. Furniture	3	136	--	--
Furniture & Fixtures	3	21	--	--
Pulp, Paper & Allied Products	7	466	--	--
Printed Matter	--	-----	--	--
Chemicals & Allied Products	90	7,627	42	3,654
Petroleum & Coal Products	36	2,629	--	--
Rubber & Miscellaneous	4	69	--	--
Leather & Leather Products	--	-----	--	--
Stone, Clay, Glass Products	13	572	--	--
Primary Metal Products	4	209	--	--
Fabricated Metal Products, Exc. Ordnance, Mach. & Transp.	--	-----	--	--
Machinery, Exc. Electrical	61	1,037	2	28
Elec. Mach., Equip. & Supplies	--	-----	--	--
Transportation Equipment	16	336	--	--
Time, Photo, Optical Goods	--	-----	--	--
Misc. Products of Manufacturing	--	-----	--	--
Waste & Scrap Materials	--	-----	--	--
Misc. Freight Shipments	--	-----	--	--
Shipping Containers, Ret. Empty	--	-----	--	--
Freight Forwarder Traffic	--	-----	--	--
Shipper Ass'n., Etc., Traffic	--	-----	--	--
Other Mixed Misc. Shipments	--	-----	--	--
TOTAL CL TRAFFIC	278	14,547	45	3,729
Small Packaged Shipments	--	10	--	--
TOTAL CL & LCL TONS	--	14,557	--	3,729

TABLE 6.26--Continued

Commodity Class	Total All Railroads C.L.	Total All Railroads Tons
Farm Products	7,366	623,755
Forest Products	2	36
Fresh Fish & Marine Products	29	1,406
Metallic Ores	2	112
Coal	21,974	1,994,004
Crude Oil, Nat. Gasoline & Gas	365	25,171
Nonmet. Minerals, Exc. Fuels	1,224	78,895
Ordnance & Accessories	------	-------
Food & Kindred Products	3,496	149,524
Tobacco Products	16	472
Basic Textiles	10	269
Finished Textile Products	------	-------
Lumber & Products, Exc. Furniture	957	42,639
Furniture & Fixtures	481	3,862
Pulp, Paper & Allied Products	1,985	56,738
Printed Matter	1	20
Chemicals & Allied Products	9,126	759,331
Petroleum & Coal Products	4,807	342,092
Rubber & Miscellaneous	463	6,792
Leather & Leather Products	1	17
Stone, Clay, Glass Products	2,626	149,047
Primary Metal Products	2,309	124,839
Fabricated Metal Prod., Exc. Ordnance, Mach. & Transp.	415	13,635
Machinery, Exc. Electrical	1,591	26,870
Elec. Machinery, Equip. & Supplies	102	3,828
Transportation Equipment	697	13,730
Time, Photo, Optical Goods	------	-------
Misc. Products of Manufacturing	9	166
Waste & Scrap Materials	61	2,921
Misc. Freight Shipments	9	263
Shipping Containers, Ret. Empty	4	43
Freight Forwarder Traffic	7	121
Shipper Ass'n., Etc., Traffic	482	8,378
Other Mixed Misc. Shipments	1,391	21,534
TOTAL CL TRAFFIC	62,008	4,450,510
Small Packaged Shipments	------	10
TOTAL CL & LCL TONS	------	4,450,520

SOURCE: North Dakota Public Service Commission, Accounting Department, Railroad Freight Commodity Statistics Revenue Freight Originating and Terminating on All Railroads in North Dakota, 1980.

TABLE 6.23

TONS TRANSPORTED BY NORTH DAKOTA MOTOR CARRIERS BY TYPE OF COMMODITY AND CLASS OF CARRIER, 1975-1980[1]

Commodity (tons)	Class "A" Motor Carriers of Property 1975	1976	1977	1978	1979	1980
Merchandise	223,267	236,253	254,446	272,124	227,642	211,256
Furniture and Household Goods	14	83	78	65	30	55
Livestock	-------	-------	-------	-------	-------	-------
Heavy set-up Equipment	-------	-------	-------	-------	-------	-------
Petroleum Products	-------	-------	-------	-------	-------	-------
Grain	-------	-------	-------	-------	-------	-------
Cement	-------	-------	-------	-------	-------	-------
Salt	-------	-------	-------	-------	-------	-------
Dairy Products	-------	-------	-------	-------	-------	-------
Other	5,143	6,516	7,931	9,890	7,418	12,850
TOTAL	228,424	242 852	262,475	282,079	235,090	224,161

Commodity (tons)	Spec. Motor Carrriers of Property 1975	1976	1977	1978	1979	1980
Merchandise	49,935	50,728	36,961	33,441	34,507	65,742
Furniture and Household Goods	3,893	4,201	4,586	4,813	4,838	4,803
Livestock	167,196	141,205	131,778	95,828	52,508	59,610
Heavy set-up Equipment	45,262	54,478	43,204	46,117	36,209	48,116
Petroleum Products	277,472	324,037	578,946	325,933	263,903	134,843
Grain	171,294	185,561	181,612	208,441	121,570	119,991
Cement	7,346	1,097	7,904	2,144	2,844	2,033
Salt	4,587	-------	344	1,437	3,439	9,509
Dairy Products	15,161	15,912	8,539	21,252	37,617	44,543
Other	113,332	108,949	231,672	408,307	195,301	158,281
TOTAL	855,478	886,168	1,225,546	1,147,713	752,736	647,471

TABLE 6.23--Continued

	Contract Motor Carriers of Property					
Commodity (tons)	1975	1976	1977	1978	1979	1980
Merchandise	17,893	16,066	818	12,362	6,826	10,990
Furniture and Household Goods	5,074	6,357	-------	-------	14	1,375
Livestock	-------	-------	-------	-------	-------	-------
Heavy set-up Equipment	-------	-------	-------	-------	-------	-------
Petroleum Products	285,230	370,177	242,321	246,855	270,520	202,444
Grain	5,087	10,681	26,399	10,943	16,211	14,449
Cement	15,036[2]	16,746[2]	31,267	33,276	18,372	10,446
Salt	-------	-------	-------	-------	-------	-------
Dairy Products	29,265	26,769	34,128	4,638	-------	-------
Other	629,120	715,154	562,643	550,379	1,081,904	944,766
TOTAL	986,705	1,161,950	897,576	858,453	1,393,847	1,184,470

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] North Dakota operations only.

[2] Includes all concrete products.

TABLE 6.24

ASSETS, OPERATING REVENUES AND EXPENSES, TAXES ASSESSED AND MILES OF ROADBED FOR RAILROADS OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1940-1980

Year	Total Assets ($000)	Operating Revenue Earned in N. Dak. ($000)	System Operating Revenue ($000)	System Operating Expenses ($000)	Taxes Assesed in N.D. ($000)	Miles of Road	
						System	N.D.
1940	$3,340,940	$ NA	$ 408,835	$ 301,116	$116,831	NA	5,270
1950	3,036,639	NA	877,765	674,439	123,284	38,153	5,190
1960	3,349,116	7,596	899,389	743,300	113,176	39,481	5,197
1965	3,580,932	7,899	1,018,708	801,564	80,337	40,644	5,195
1970	4,508,546	6,369	1,575,187	1,310,631	45,806	49,999	5,165
1975	4,705,288	6,495	2,322,254	1,884,660	36,244	47,480	5,137
1976	4,863,782	9,854	2,695,499	2,158,259	34,496	47,311	5,136
1977	5,112,078	10,434	2,902,310	2,619,045	34,562	46,738	5,116
1978	5,490,965	11,144	3,319,451	2,965,906	35,203	46,257	5,117
1979	5,358,183	10,396	3,939,801	3,581,887	NA	45,765	5,121
1980	6,367,483	16,940	4,622,660	4,046,422	23,800	45,086	4,966

SOURCE: North Dakota Public Service Commission, Annual Report, various years; Proceedings of the State Board of Equalization of North Dakota, various years.

7.00

COMMUNICATIONS

The hallmark of our modern age is the communications explosion. Newspapers, radio, television, telephones, and the postal system offer us a continuous link with our neighbors throughout the state, the nation, and the world. The communications industry described in this section has become integral to the operation of the North Dakota economy. It provides not only news and entertainment, but it also serves a vital economic coordinating function by stimulating the flow of market information and product advertising.

The best source of information on the North Dakota newspaper industry is the North Dakota Newspaper Directory, published annually by the North Dakota Newspaper Association. The Directory provides a complete list of daily, weekly, and semi-weekly newspapers published in the state as well as listing the "official" newspaper for each of North Dakota's counties.

The principal source of information used in describing the North Dakota radio and television industry is the Broadcasting Cablecasting, Yearbook published by the Storer Broadcasting Company. This source provides a comprehensive list of AM and FM radio broadcasters and television stations by call letters.

Data on telephone use in North Dakota over time and in comparison to other states in the region have been taken from tables published in the Statistical Abstract of the United States. Detailed financial statistics for North Dakota's various telephone companies and REA-financed rural telephone cooperatives have been provided by the North Dakota Public Service Commission which regulates the telephone industry in the state. Telephone companies are classed according to the size of their operating revenues and whether they are exchange or non-exchange companies.

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TABLE 7.01

TELEPHONES IN USE: THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, DECEMBER 31, 1970 AND 1980

State	Total Telephones (000)		Telephones Per 100 Population	Percent of Households with Telephones	
	1970	1980	1980	1970	1980
United States	120,155	180,424	59	92%	96%
NORTH DAKOTA	321	582	65	94	106
South Dakota	335	526	56	91	93
Montana	357	623	58	89	96
Nebraska	884	1,325	63	96	100
Minnesota	2,248	3,219	58	97	99
Iowa	1,625	2,312	60	95	97
Kansas	1,301	1,992	64	93	97

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1982-83.

TABLE 7.02

TELEPHONES IN NORTH DAKOTA BY TYPE OF SERVICE, SELECTED YEARS, 1962-1980*

Year	Total Telephones (000)	Percent Owned by NW Bell Companies	Telephones Per 100 Population	Percent of Households with Telephones
1962	226	70%	35	80%
1964	251	69	39	84
1965	263	69	40	86
1967	284	70	45	90
1968	305	70	49	92
1969	306	70	50	95
1970	321	70	52	94
1971	337	70	54	96
1972	355	70	56	95
1973	381	72	59	95
1974	409	72	64	97
1975	471	74	74	97
1976	457	72	71	99
1978	500	72	56	100
1979	564	74	63	100
1980	582	74	65	106

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* As of December 31 of year indicated.

TABLE 7.03

OPERATING STATISTICS OF CLASS "A" AND "B" TELEPHONE COMPANIES,[1]
NORTH DAKOTA OPERATIONS ONLY, 1977-1980

	Operating Revenues (In Thousands)			
Company	1977	1978	1979	1980
Griggs County Tele.	$ 337.7	$ 364.6	$ 398.6	$ 437.8
Inter-Community Tele.[2]	361.6	394.3	514.0	519.8
Midstate Tele.	349.3	416.2	565.9	735.2
Moore & Liberty Tele.	155.0	158.7	176.5	180.1
North Dakota Tele.	3,116.8	3,517.0	3,754.7	4,361.2
Northern States Power	5,038.2	5,904.5	6,653.0	7,174.2
Northwestern Bell Tele.[3]	100,323.2	119,084.4	131,593.6	149,219.7

	Operating Expenses (In Thousands)			
Company	1977	1978	1979	1980
Griggs County Tele.	$ 236.5	$ 257.6	$ 286.0	$ 321.3
Inter-Community Tele.[2]	332.6	334.8	407.7	442.4
Midstate Tele.	298.1	358.4	494.8	597.3
Moore & Liberty Tele.	118.2	120.6	135.4	143.0
North Dakota Tele.	2,389.6	2,697.6	2,958.1	3,258.2
Northern States Power	4,186.2	4,685.4	5,308.8	5,554.1
Northwestern Bell Tele.[3]	79,892.6	94,400.1	104,346.7	118,603.0

	Telephones Owned			
Company	1977	1978	1979	1980
Griggs County Tele.	1,897	1,946	1,974	1,769
Inter-Community Tele.[2]	1,700	1,777	1,765	1,805
Midstate Tele.	2,088	2,094	2,203	2,357
Moore & Liberty Tele.	999	1,027	1,044	1,043
North Dakota Tele.	14,447	14,815	15,271	15,858
Northern States Power	33,227	35,732	34,208	35,610
Northwestern Bell Tele.[3]	387,775	404,274	419,597	432,752

TABLE 7.03--Continued

Company	Revenue Per Telephone			
	1977	1978	1979	1980
Griggs County Tele.	$ 178.00	$ 187.34	$ 201.93	$ 247.53
Inter-Community Tele.[2]	212.55	221.87	291.21	287.96
Midstate Tele.	167.28	198.78	256.89	311.92
Moore & Liberty Tele.	155.20	154.52	169.10	172.68
North Dakota Tele.	215.74	237.40	245.87	275.02
Northern States Power	151.63	165.24	194.49	201.46
Northwestern Bell Tele.[3]	258.71	294.56	313.62	344.82

Company	Plant-in-Service Per Telephone			
	1977	1978	1979	1980
Griggs County Tele.	$ 480.42	$ 531.15	$ 570.59	$ 704.07
Inter-Community Tele.[2]	1,759.43	1,700.76	1,751.49	1,748.98
Midstate Tele.	676.94	711.84	734.94	847.72
Moore & Liberty Tele.	530.03	556.23	630.39	662.42
North Dakota Tele.	760.18	797.72	873.58	949.36
Northern States Power	563.74	639.37	674.47	675.35
Northwestern Bell Tele.[3]	759.62	826.14	883.18	965.15

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Class "A" companies have annual operating revenues greater than $250,000; Class "B" company revenues between $100,000 - $250,000.

[2] Excludes autovan operations.

[3] Telephones owned includes 42,355, 43,276, 43,661 and 44,519 in Minnesota but maintained out of North Dakota for 1977, 1978, 1979 and 1980, respectively.

TABLE 7.04

OPERATING STATISTICS OF REA-FINANCED RURAL TELEPHONE COOPERATIVES, NORTH DAKOTA OPERATIONS ONLY, 1977-1980

Cooperative	Operating Revenues (In Thousands)			
	1977	1978	1979	1980
Bek Tele. Mutual Aid Corp.	$ 867.7	$ 916.1	$1,070.8	$1,225.7
Consolidated Tele. Coop.	1,012.5	1,369.4	1,704.5	2,123.1
Dak. Central Rural Tele.	619.4	785.3	868.2	1,023.5
Dickey Rural Tele. Mutual Aid Corp.	793.5	865.5	972.4	978.4
Northwest Mutual Aid Tele.	975.8	1,081.5	1,200.9	1,433.4
Polar Rural Tele. Mutual Aid Corp.	2,568.0	2,994.5	3,169.0	3,403.2
Red River Rural Tele.	204.2	215.6	228.8	243.0
Reservation Tele.	1,283.4	1,471.9	1,690.3	1,635.7
Souris River Tele. Mutual Aid Corp.[1]	2,973.0	3,638.3	3,737.3	4,325.8
United Tele. Mutual Aid Corp.	1,060.7	1,197.9	1,295.2	1,334.9
West River Mutual Aid Tele.	1,627.0	2,022.4	2,468.8	2,799.0
Other Minor Operations in N.D.[2]	286.2	325.1	248.2	210.2

Cooperative	Operating Expenses (In Thousands)			
	1977	1978	1979	1980
Bek Tele. Mutual Aid Corp.	$ 693.6	$ 759.5	$ 876.8	$1,006.0
Consolidated Tele. Coop.	898.6	1,122.2	1,376.2	1,597.2
Dak. Central Rural Tele.	547.2	617.6	705.2	882.7
Dickey Rural Tele. Mutual Aid Corp.	646.8	721.3	867.5	988.9
Northwest Mutual Aid Tele.	674.0	829.6	954.0	1,006.7
Polar Rural Tele. Mutual Aid Corp.	2,498.4	2,507.2	2,686.5	2,699.0
Red River Rural Tele.	160.6	181.2	191.4	213.0
Reservation Tele.	1,019.8	1,132.6	1,201.4	1,452.1
Souris River Tele. Mutual Aid Corp.[1]	2,691.8	2,696.8	3,007.1	3,392.6
United Tele. Mutual Aid Corp.	729.6	815.1	841.6	928.1
West River Mutual Aid Tele.	1,150.6	1,553.8	1,866.4	2,135.5
Other Minor Operations in N.D.[2]	206.1	235.5	189.8	166.1

Cooperative	Telephones Owned			
	1977	1978	1979	1980
Bek Tele. Mutual Aid Corp.	5,130	5,242	5,381	5,469
Consolidated Tele. Coop.	4,996	5,218	5,529	5,936
Dak. Central Rural Tele.	3,572	3,645	3,753	3,826
Dickey Rural Tele. Mutual Aid Corp.	4,134	4,375	4,516	4,643
Northwest Mutual Aid Tele.	4,817	5,017	5,279	5,589
Polar Rural Tele. Mutual Aid Corp.	13,656	13,751	13,851	14,486
Red River Rural Tele.	1,424	1,493	1,548	1,615
Reservation Tele.	5,707	6,164	6,505	6,762
Souris River Tele. Mutual Aid Corp.[1]	11,600	11,998	12,490	12,718
United Tele. Mutual Aid Corp.	6,538	6,847	7,025	7,235
West River Mutual Aid Tele.	8,866	10,095	11,419	12,295
Other Minor Operations in N.D.[2]	832	893	692	608

TABLE 7.04--Continued

Cooperative	Revenue Per Telephone			
	1977	1978	1979	1980
Bek Tele. Mutual Aid Corp.	$ 169.14	$ 174.76	$ 198.99	$ 224.12
Consolidated Tele. Coop.	202.66	262.44	308.28	357.67
Dak. Central Rural Tele.	173.39	215.44	231.34	267.51
Dickey Rural Tele. Mutual Aid Corp.	191.95	197.84	215.32	210.73
Northwest Mutual Aid Tele.	202.58	215.57	227.48	256.47
Polar Rural Tele. Mutual Aid Corp.	188.05	217.76	228.79	234.93
Red River Rural Tele.	143.38	144.42	147.78	150.47
Reservation Tele.	224.89	238.78	259.84	241.90
Souris River Tele. Mutual Aid Corp.[1]	256.29	303.24	299.22	340.13
United Tele. Mutual Aid Corp.	162.23	174.95	184.38	184.50
West River Mutual Aid Tele.	183.51	200.34	216.21	227.66
Other Minor Operations in N.D.[2]	343.97	364.04	358.69	345.65

Cooperative	Plant-in-Service Per Telephone			
	1977	1978	1979	1980
Bek Tele. Mutual Aid. Coop.	$1,464.91	$1,465.92	$1,553.19	$1,611.22
Consolidated Tele. Coop.	1,608.55	1,733.85	1,802.08	1,803.83
Dak. Central Rural Tele.	1,452.89	1,436.37	1,479.30	1,530.18
Dickey Rural Tele. Mutual Aid Corp.	1,274.44	1,298.79	1,342.42	1,574.36
Northwest Mutual Aid Tele.	1,198.25	1,205.13	1,185.38	1,163.74
Polar Rural Tele. Mutual Aid Corp.	1,150.92	1,168.98	1,177.31	1,153.72
Red River Rural Tele.	988.71	970.77	952.19	978.44
Reservation Tele.	1,569.34	1,513.96	1,458.23	1,438.57
Souris River Tele. Mutual Aid Corp.[1]	1,403.48	1,398.94	1,429.66	1,514.15
United Tele. Mutual Aid Corp.	1,115.23	1,170.61	1,164.47	1,148.37
West River Mutual Aid Tele.	1,050.31	1,066.35	1,040.30	1,053.96
Other Minor Operations in N.D.[2]	2,126.85	2,086.68	1,963.10	2,009.16

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Excludes military operations at Minot Air Force Base.

[2] Includes Halstad Telephone Co., Mid-Rivers Telephone Co-op, Inc., Nemont Telephone Co-op, Inc., and Roberts County Telephone Co-op Assn.

TABLE 7.05

OPERATING STATISTICS OF CLASS "C", "D", AND "E" TELEPHONE COMPANIES,* NORTH DAKOTA OPERATIONS ONLY, 1977-1980

Class "C" and "D" Companies	1977	1978	1979	1980
Number of Companies Reporting	5	5	5	5
Number of Telephones in Use	1,244	1,266	1,296	1,339
Operating Revenues	$225,154	$246,225	$265,594	$262,471
Operating Expenses	$226,751	$218,295	$231,815	$237,874
Average Revenue Per Telephone	$ 180.99	$ 194.49	$ 204.93	$ 196.02

Class "E" Companies	1977	1978	1979	1980
Number of Companies Reporting	30	13		
Number of Telephones in Use	587	393		

SOURCE: North Dakota Public Service Commission, Annual Report, 1978-1981.

* Class "C" companies have operating revenues between $50,000 - $100,000; Class "D" companies are those with revenues below $50,000; and for Class "E" companies the number for 1979 and 1980 is insignificant.

TABLE 7.06

LONG DISTANCE TELEPHONE CALL RATES: BISMARCK TO OTHER NORTH DAKOTA CITIES AND TO SELECTED UNITED STATES CITIES*

From Bismarck to-	Direct Dial	Operated-Assisted	
		Station-to-station	Person-to-person
Bottineau	$1.96	$3.06	$5.56
Bowman	1.9[illegible]	3.06	5.56
Devils Lake	1.91	3.01	5.51
Dickinson	1.91	3.01	5.51
Fargo	2.01	3.11	5.61
Grand Forks	2.01	3.11	5.61
Harvey	1.76	2.86	5.36
Jamestown	1.91	3.01	5.51
Minot	1.91	3.01	5.51
Valley City	1.96	3.06	5.56
Wahpeton	2.01	3.11	5.61
Williston	1.96	3.06	5.56
Boston	2.40	3.95	5.40
Chicago	2.34	3.89	5.34
Dallas	2.40	3.95	5.40
Denver	2.34	3.89	5.34
Los Angeles	2.40	3.95	5.40
Miami	2.40	3.95	5.40
Minneapolis/St. Paul	2.27	3.82	5.27
New York	2.40	3.95	5.40
Omaha	2.34	3.89	5.34
St. Louis	2.34	3.89	5.34
Seattle	2.41	3.96	5.41
Sioux Falls	2.27	3.82	5.27

SOURCE: Northwestern Bell Telephone Company, Directory Information.

* Rates are based upon a five-minute call placed weekdays between 8:00 a.m. and 5:00 p.m. Intrastate rates became effective January 3, 1982 while the interstate rates became effective April 2, 1982. All rates are subject to change.

TABLE 7.08

NORTH DAKOTA WEEKLY AND SEMI-WEEKLY NEWSPAPERS

City and Zip Code	Newspaper	Circulation*	Issue Days
Adams 58210	Adams Standard	453	Thursday
Aneta 58212	Aneta Star	502	Thursday
Ashley 58413	Ashley Tribune	1,948	Thursday
Beach 58621	Golden Valley News	1,949	Thursday
Berthold 58718	Berthold Tribune	563	Thursday
Beulah 58523	Beulah Beacon	3,040	Thursday
Bottineau 58318	Bottineau Courant	4,591	Tuesday
Bowbells 58721	Burke County Tribune	1,765	Wednesday
Bowman 58623	Bowman County Pioneer	2,250	Wednesday
Cando 58324	Towner County Record-Herald	2,640	Thursday
Carrington 58421	Foster County Independent	3,236	Wednesday
Carson 58529	Carson Press	1,072	Wednesday
Casselton 58012	Cass County Reporter	4,126	Thursday
Cavalier 58220	Cavalier Chronicle	3,200	Thursday
Center 58530	Center Republican	950	Wednesday
Cooperstown 58425	Griggs County Sentinel-Courier	2,130	Wednesday
Crosby 58730	The Journal	3,554	Wednesday
Drayton 58225	Drayton Express	853	Thursday
Edgeley 58433	Edgeley Mail	1,471	Wednesday
Edmore 58330	Edmore Herald	645	Thursday
Elgin 58533	Grant County News	1,674	Wednesday
Ellendale 58436	Dickey County Leader	2,238	Thursday
Enderlin 58027	Enderlin Independent	1,600	Thursday
Fairmount 58030	Fairmount News	362	Wednesday

TABLE 6.27

AIRCRAFT DEPARTURES AND NUMBER OF PASSENGERS ENPLANED BY AIRPORT IN NORTH DAKOTA, SELECTED YEARS, 1965-1981

	Bismarck/ Mandan	Devils Lake	Dickinson	Fargo	Grand Forks	Jamestown	Minot	Williston
1965								
Departures	4,780	1,051	-----	4,728	4,925	682	3,144	1,041
Passengers	33,380	1,552	-----	54,597	30,425	2,622	18,706	3,701
1970*								
Departures	5,330	947	-----	6,176	5,590	1,404	1,677	823
Passengers	64,311	2,403	-----	111,909	55,089	9,087	22,922	5,217
1975								
Departures	4,776	345	-----	4,298	4,591	679	2,805	1,047
Passengers	101,524	1,983	-----	127,945	78,623	7,677	59,909	4,037
1981								
Departures	7,160	1,238	1,108	5,449	3,750	1,188	1,814	2,319
Passengers	147,028	2,041	1,729	149,976	78,005	3,597	53,171	11,470

SOURCE: U.S. Dept. of Transportation, Airport Activity Statistics of Certified Route Air Carriers, various years.

* Year ending June 30, all others ending December 31.

TABLE 6.28

TOTAL MONTHLY AIRLINE ARRIVALS AND DEPARTURES AND AIRLINE SEATS IN NORTH DAKOTA BY AIRLINE AND AIRPORT, FEBRUARY 1982

City	Arrivals and Departures					
	Big Sky Airlines	Frontier Airlines	Republic Airlines	Northwest Airlines	Pioneer Airlines*	Total, All Airplanes
Bismarck	336	280	168	280	---	1,064
Devils Lake	224	---	---	---	---	224
Dickinson	224	---	---	---	---	224
Fargo	---	224	336	336	---	896
Grand Forks	56	112	224	168	---	560
Jamestown	224	---	---	---	---	224
Minot	---	168	112	---	---	280
Williston	364	---	---	---	168	532
Total	1,428	784	840	784	168	4,004

City	Seats**					
Bismarck	5,712	29,680	19,320	40,880	---	95,592
Devils Lake	3,808	---	---	---	---	3,808
Dickinson	3,808	---	---	---	---	3,808
Fargo	---	23,744	36,840	49,056	---	109,640
Grand Forks	952	11,872	25,760	24,528	---	63,112
Jamestown	3,808	---	---	---	---	3,808
Minot	---	17,808	12,880	---	---	30,688
Williston	24,276	---	---	---	3,192	27,468
Total, All Airports	42,364	83,104	94,800	114,464	3,192	337,924

SOURCE: North Dakota State Aeronautics Commission.

* Pioneer Airlines inaugurated service January 4, 1982.

** Total seating capacity of the aircraft, not necessarily seats available for North Dakota passengers.

TABLE 7.07

NORTH DAKOTA DAILY NEWSPAPERS

City	Zip Code	County	Newspaper	Publisher or Manager	Circulation	Issue Days
Bismarck	58501	Burleigh	Bismarck Tribune	Sanders Hook	31,175	Mon. thru Sun.
Devils Lake	58301	Ramsey	Devils Lake Daily Journal	Michael Bell	5,153	Mon. thru Fri.
Dickinson	58601	Stark	Dickinson Press	Ed Hauck	9,692	Tues. thru Sun.
Fargo	58102	Cass	The Forum	William C. Marcil	66,819	M & E com & S
Grand Forks	58201	Grand Forks	Grand Forks Herald	Michael Maidenberg	35,908	Mon. thru Sun.
Jamestown	58401	Stutsman	Jamestown Sun	Gordon Hansen	11,247	Mon. thru Sat.
Minot	58701	Ward	Minot Daily News	Raymond C. Dobson	30,119	Daily except Sun.
Valley City	58072	Barnes	Valley City Times-Record	Dick Plum, Mgr.	3,999	Mon. thru Fri.
Wahpeton	58075	Richland	The Daily News	Newell C. Grant	6,526	Mon. thru Fri.
Williston	58801	Williams	Williston Herald General Mgr.	James S. Holman,	9,210	Sun. thru Fri.
Total					209,848	

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1983.

TABLE 7.08--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Fessenden 58438	Wells County Free Press	1,825	Wednesday
Finley 58230	Steele County Press	1,550	Wednesday
Fordville 58341	Tri-County Sun	834	Thursday
Fort Yates 58538	The Dakota Sun	999	Thursday
Gackle 58442	Pioneer Press	954	Wednesday
Garrison 58540	McLean County Independent	4,185	Wednesday
Glen Ullin 58631	Glen Ullin Times	900	Thursday
Grafton 58237	The Grafton Record	5,632	Saturday & Wednesday
Grand Forks 58201	The Chronicle	3,430	Thursday
Hankinson 58041	Hankinson News	1,442	Wednesday
Harvey 58341	Harvey Herald	3,947	Wednesday
Hatton 58240	Free Press	1,100	Wednesday
Hazen 58545	Hazen Star	2,362	Thursday
Hebron 58638	Hebron Herald	1,330	Wednesday
Hettinger 58639	Adams County Record	2,517	Wednesday
Hillsboro 58045	Hillsboro Banner	1,615	Thursday
Kenmare 58746	Kenmare News	2,278	Wednesday
Killdeer 58640	Killdeer Herald	1,933	Wednesday
Kulm 58456	Kulm Messenger	1,008	Wednesday
Lakota 58344	Lakota American	1,414	Wednesday
LaMoure 58458	LaMoure Chronicle	1,689	Wednesday
Langdon 58249	Cavalier County Republican	3,168	Tuesday
Larimore 58251	Larimore Leader	840	Thursday
Larimore 58251	The Larimore Pioneer	1,000	Wednesday
Lidgerwood 58053	The Monitor	1,593	Thursday

TABLE 7.08--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Linton 58552	Emmons County Record	4,090	Wednesday
Lisbon 58054	Ransom County Gazette	3,360	Thursday
Litchville 58461	Litchville Bulletin	1,675	Wednesday
Mandan 58554	Mandan News	3,878	Sunday
Marmarth 58643	Slope Messenger	989	Thursday
Mayville 58257	Traill County Tribune	3,398	Wednesday
McClusky 58463	McClusky Gazette	1,439	Wednesday
McVille 58255	McVille Messenger	690	Thursday
Medora 58645	Billings County Pioneer	824	Thursday
Michigan 58259	Nelson County Arena	1,060	Thursday
Milnor 58060	The Teller	2,233	Wednesday
Minneawaukan 58351	Benson County Farmers Press	4,543	Thursday
Mohall 58761	Renville County Farmer	1,785	Wednesday
Mott 58646	Mott Pioneer Press	1,551	Wednesday
Napoleon 58561	Napoleon Homestead	2,446	Wednesday
New England 58647	Hettinger County Herald	1,007	Thursday
New Rockford 58356	New Rockford Transcript	2,273	Wednesday
New Salem 58563	New Salem Journal	1,551	Wednesday
New Town 58763	New Town News	1,400	Thursday
Northwood 58267	The Gleaner, Including The McVille Journal	1,805	Thursday
Oakes 58474	Oakes Times	1,937	Thursday
Park River 58270	Walsh County Press	3,500	Tuesday
Parshall 58770	Mountrail County Record	1,248	Wednesday
Pembina 58271	Pembina New Era	1,005	Tuesday
Rolla 58367	Turtle Mountain Star	4,024	Monday

TABLE 7.06--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Rugby 58368	Pierce County Tribune	3,650	Wednesday
Stanley 58784	Mountrail County Promoter	2,650	Wednesday
Steele 58482	Steele Ozone-Press	1,846	Wednesday
Tiogo 58852	Tioga Tribune	2,130	Wednesday
Towner 58788	Mouse River Farmers Press	2,300	Wednesday
Turtle Lake 58575	McLean County Journal	1,091	Thursday
Underwood 58576	Underwood News	1,082	Wednesday
Velva 58790	McHenry County Journal-Register	2,075	Wednesday
Walhalla 58282	Walhalla Mountaineer	1,641	Tuesday
Washburn 58577	Washburn Leader	2,012	Wednesday
Watford City 58854	McKenzie County Farmer	3,000	Wednesday
West Fargo 58078	West Fargo Pioneer	2,240	Wednesday
Westhope 58793	Westhope Standard	1,550	Wednesday
Wilton 58579	Wilton News	1,330	Wednesday
Wishek 58495	Wishek Star	1,786	Wednesday

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1983.

* Total circulation of weekly and semi-weekly newspapers is 180,651.

TABLE 7.09

NORTH DAKOTA OFFICIAL* COUNTY NEWSPAPERS, 1982

County	Newspaper	City
Adams	Adams County Record	Hettinger
Barnes	Valley City Times Record	Valley City
Benson	Benson County Farmers Press	Minnewaukan
Billings	The Billings County Pioneer	Medora
Bottineau	Bottineau Courant	Bottineau
Bowman	Bowan County Pioneer	Bowman
Burke	Burke County Tribune	Bowbells
Burleigh	The Bismarck Tribune	Bismarck
Cass	The Forum	Fargo
Cavalier	Cavalier County Republican	Langdon
Dickey	Dickey County Leader	Oakes
Divide	The Journal	Crosby
Dunn	The Killdeer Herald	Killdeer
Eddy	The New Rockford Transcript	New Rockford
Emmons	Emmons County Record	Linton
Foster	Foster County Independent	Carrington
Golden Valley	Golden Valley News	Beach
Grand Forks	Grand Forks Herald	Grand Forks
Grant	Grant County News	Elgin
Griggs	Griggs County Sentinel-Courier	Cooperstown
Hettinger	Mott Pioneer Press	Mott
Kidder	The Steele Ozone-Press	Steele
LaMoure	Edgeley Mail	Edgeley
Logan	Napoleon Homestead	Napoleon
McHenry	Mouse River Farmers Press	Towner
McIntosh	Ashley Tribune	Ashley
McKenzie	McKenzie County Farmer	Watford City
McLean	McLean County Independent	Garrison
Mercer	Beulah Beacon	Beulah
Morton	Mandan News	Mandan
Mountrail	Mountrail County Promoter	Stanley
Nelson	The Lakota American	Lakota
Oliver	Center Republican	Center
Pembina	Cavalier Chronicle	Cavalier
Pierce	Pierce County Tribune	Rugby

TABLE 7.09--Continued

County	Newspaper	City
Ramsey	Devils Lake Daily Journal	Devils Lake
Ransom	Ransom County Gazette	Lisbon
Renville	Renville County Farmer	Mohall
Richland	Daily News	Wahpeton
Rolette	Turtle Mountain Star	Rolla
Sargent	The Teller	Milnor
Sheridan	The McClusky Gazette	McClusky
Sioux	Dakota Sun	Fort Yates
Slope	The Slope Messenger	Marmath
Stark	Dickinson Press	Dickinson
Steele	Steele County Press	Finley
Stutsman	The Jamestown Sun	Jamestown
Towner	Towner County Record-Herald	Cando
Traill	Traill County Tribune	Hillsboro
Walsh	The Grafton Record	Grafton
Ward	Minot Daily News	Minot
Wells	Wells County Free Press	Fessenden
Williams	Williston Herald	Williston

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1983.

* Newspaper in which public legal notices are published.

TABLE 7.10

COMMERCIAL BROADCAST STATIONS IN NORTH DAKOTA, 1955-1980

Year	Radio Stations*		Television Stations*	Year	Radio Stations*		Television Stations*
	AM	FM			AM	FM	
1955	15	--	4	1968	25	5	11
1956	15	--	6	1969	27	9	11
1957	16	--	7	1970	27	11	12
1958	16	--	8	1971	27	10	12
1959	18	--	9	1972	27	10	12
1960	19	--	10	1973	27	10	12
1961	20	--	11	1974	26	9	12
1962	22	--	11	1975	26	8	12
1963	22	--	11	1976	26	13	11
1964	22	--	11	1977	26	11	11
1965	22	--	10	1978	26	12	11
1966	22	1	10	1979	26	10	11
1967	23	4	10	1980	28	10	13

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* As of January 1 of year indicated; excludes public broadcasting stations.

TABLE 7.11

LOCATIONS AND CALL LETTERS OF NORTH DAKOTA RADIO AND TELEVISION STATIONS, 1982

AM Radio Stations

Call Letter*		Location	Call Letter*		Location
KHOL	(1978)	Beulah	KNOX	(1947)	Grand Forks
KBMR	(1958)	Bismarck	KHND	(1980)	Grand Forks
KLXX	(1925)	Bismarck	KNDC	(1954)	Hettinger
KFYR	(1925)	Bismarck	KQDJ	(1954)	Jamestown
KPOK	(1980)	Bowman	KSJB	(1937)	Jamestown
KDAK	(1961)	Carrington	KNDK	(1967)	Langdon
KDLR	(1925)	Devils Lake	KMAV	(1967)	Mayville
KDIX	(1947)	Dickinson	KCJB	(1950)	Minot
KLTC	(1978)	Dickinson	KHRT	(1957)	Minot
KFGO	(1948)	Fargo	KKOA	(1929)	Minot
KFNW	(1955)	Fargo	KTYN	(1968)	Minot
KQWB	(1960)	Fargo	KDDR	(1959)	Oakes
WDAY	(1922)	Fargo	KGCA	(1961)	Rugby
KXPO	(1958)	Grafton	KTGO	(1967)	Tioga
KFJM	(1923)	Grand Forks	KOVC	(1936)	Valley City
KKXL	(1941)	Grand Forks	KEYZ	(1948)	Williston

FM Radio Stations

Call Letter*		Location	Call Letter*		Location
KEYA	(1975)	Belcourt	KKXL	(1975)	Grand Forks
KQDY	(1968)	Bismarck	KYTN	(1967)	Grand Forks
KCND	(1981)	Bismarck	KGWB	([2])	Jamestown
KYYY	(1966)	Bismarck	KSJM	(1969)	Jamestown
KBTO	(1980)	Bottineau	KNDR	(1977)	Mandan
KDVL	(1967)	Devils Lake	KMAV	(1977)	Mayville
KDSU	(1966)	Fargo	KCJB	(1966)	Minot
KFNW	(1965)	Fargo	KIZZ	(1978)	Minot
WDAY	(1965)	Fargo	KYYZ	(1979)	Williston
KFJM	(1976)	Grand Forks			

Television Stations

Call Letter*			Location	Call Letter*			Location
KBME	Ch. 3[3]	(1979)	Bismarck	KGFE	Ch. 2[3]	(1974)	Grand Forks
KFYR	Ch. 5	(1953)	Bismarck	KTHI	Lic'd. to Fargo		Grand Forks
KXMB	Ch. 12	(1955)	Bismarck	WDAZ	Lic'd. to Devils Lake		Grand Forks
WDAZ	Ch. 8	(1967)	Devils Lake	KXMB	Lic'd. to Bismarck		Mandan
KDSE	Ch. 9[3]	([2])	Dickinson	KMOT	Ch. 10	(1958)	Minot
KDIX	Ch. 2	(1956)	Dickinson	KSRE	Ch. 6[3]	(1979)	Minot
KQCD	Ch. 7	(1980)	Dickinson	KXMC	Ch. 13	(1953)	Minot
KFME	Ch. 13[3]	(1964)	Fargo	KSJB	Lic'd. to Fargo		Valley City
KTHI	Ch. 11	(1959)	Fargo	KUMV	Ch. 8	(1957)	Williston
KXJB	Ch. 4	(1954)	Fargo	KXMD	Ch. 11	(1969)	Williston
WDAY	Ch. 6	(1953)	Fargo				

SOURCE: Broadcasting Cablecasting, Yearbook 1982, Storer Broadcasting Company.

* Initial licensing date. [2] Target date for KGWB is July 1, 1982 and target date for KDSE is May 1982. [3] Licensee Prairie Public Television.

8.00

AGRICULTURE

This section presents data pertaining to agriculture, North Dakota's most important industry. Included are statistics on number of farms, land in farms, utilization of farmland and value of farmland; cash receipts and income from farming; farm production expenses, taxes and debt; production and value of selected crops; annual inventories of livestock on farms; prices received for crops, livestock and livestock products; commercial grain storage capacity, shipments and exports; and annual farm employment. The primary source of data contained herein is the annual North Dakota Agricultural Statistics, issued cooperatively by the U.S. Department of Agriculture: Economics, Statistics and Cooperative Service (USDA-ESCS)* and the North Dakota State University Agricultural Experiment Station. Various special reports of these agencies, and publications of the U.S. Department of Commerce, provide substantial additional information.

The principal source of data on number of farms, land in farms, and utilization of farmland is the Census of Agriculture, conducted every five years by the U.S. Bureau of the Census. Thus, 1979 census data are supplemented with similar information reported in the Census Bureau's Statistical Abstract of the United States and the USDAs Agricultural Statistics. Data on value of farm real estate are also reported in these publications as well as in North Dakota Agricultural Statistics and the USDAs Farm Real Estate Market Developments. The latter publication also provides statistics on farm title transfers.

Data pertaining to cash receipts and farm income are available in North Dakota Agricultural Statistics, which reports information provided in the USDAs Farm Income Situation and Agricultural Statistics. Long-term series for early years are available in Statistics of North Dakota Agriculture and Price Trends in North Dakota, 1950-70, joint publications of USDA and North Dakota State Unviersity.

North Dakota farm production expenses data are provided in the USDAs Farm Income Situation. Data on farm loans and debt (real estate and non-real estate) by lending agency are provided in the USDAs Agricultural Finance Statistics and Farm Real Estate Market Developments. Data on real estate taxes are reported in these sources as well as in the USDAs Farm Real Estate Taxes and Agricultural Statistics.

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* The USDA-ESCS was formerly termed USDA Statistical Reporting Service and source notes to tables included herein often indicate this reference. Note also that the agency is known locally as the North Dakota Crop and Livestock Reporting Service.

Estimates of production and value of selected crops are compiled by the North Dakota Crop and Livestock Reporting Service and appear in North Dakota Agricultural Statistics. The series are revised annually and after each five year census of agriculture, but may be subject to additional revisions as well. Long-term series for earlier years, although not completely revised, appear in Statistics of North Dakota Agriculture. Data on the number and value of livestock on farms are available from the same sources and are subject to the revisions cited above.

Seasonal average prices and calendar prices for crops are also reported in North Dakota Agricultural Statistics as are annual average prices for livestock and livestock products. These series are also revised annually. A long-term series of agricultural prices is available in Price Trends in North Dakota, 1950-70.

Data on commercial grain storage capacity and shipments from commercial storage are reported in North Dakota Agricultural Statistics. Statistics pertaining to North Dakota's agricultural exports are provided in North Dakota Exports, a publication of the U.S. Department of Commerce, State Export Service.

Recent annual average farm employment data, including family workers and hired workers, are reported in North Dakota Agricultural Statistics. Similar data for earlier years are provided in Agriculture Statistics and Censuses of Agriculture.

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TABLE 8.01

LAND UTILIZATION IN NORTH DAKOTA, SELECTED YEARS, 1930-1978

Census Year[1]	Total Cropland (acres)	Cropland used for Pasture (acres)[2]	Harvested Cropland (acres)	Other Cropland (acres)	Total Wood-land (acres)	Other Land and Pasture (acres)	Irri-gated Land (acres)	Total Land in Farms (acres)
1930	27,710,796	3,182,676	21,254,660	3,273,406	557,742	10,389,356	10,651[3]	38,657,894
1935	27,135,655	2,732,525	9,348,482	15,054,648	575,435	11,407,046	11,759[4]	39,118,136
1940	27,100,920	3,622,528	15,536,632	7,941,760	385,957	10,449,259	19,975	37,936,136
1945	25,102,923	709,815	20,816,814	3,576,294	473,998	15,424,237	22,814	41,001,158
1950	27,627,872	935,210	20,352,760	6,339,902	729,343	12,836,829	35,294	41,194,044
1954	27,699,621	754,500	21,241,135	5,703,986	551,579	13,625,724	37,672	41,876,924
1959	27,706,756	755,888	19,357,711	7,593,157	456,795	13,302,166	47,656	41,465,717[5]
1964	27,446,025	848,375	17,695,500	8,902,150	387,830	14,883,650	50,548	42,717,500
1969	29,458,878	1,888,933	17,174,891	10,395,054	441,791	13,217,162	63,238	43,117,831
1974	29,185,095	2,269,832	19,207,401	7,707,862	502,217	12,700,112	70,891	42,387,424
1978	28,829,994	1,605,457	19,120,551	8,103,986	425,796	12,769,573	141,434	42,025,363

SOURCE: U.S. Dept. of Agriculture, *Agricultural Census Data for North Dakota*, various years; and U.S. Bureau of the Census, *Census of Agriculture*, various years.

[1] Years 1954 to 1978 refer to the census years. Other years refer to calendar year preceding census.

[2] Not fully comparable for all census years because of differences in definition of cropland used for pasture only.

[3] Includes some duplication where more than one crop harvested from same land.

[4] Irrigated cropland harvested only.

[5] Includes some public lands leased and re-leased by Grazing Associations enumerated as farms in 1964 Census.

TABLE 8.02

NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF FARM REAL ESTATE, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1920-1982

Year	North Dakota			United States		
	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land and Buildings (Million Dollars)	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land and Buildings (Million Dollars)
1920	77.7	36.2	$ 1,488	6,448	956	$ 66,316
1925	76.0	34.3	1,020	6,372	924	49,468
1930	78.0	38.7	951	6,289	987	47,880
1935	84.6	39.1	668	6,812	1,054	32,859
1940	74.0	37.9	490	6,097	1,061	33,642
1945	69.5	41.0	787	5,859	1,142	53,889
1950	65.4	41.2	1,189	5,382	1,159	75,261
1955	61.5	42.5	1,514	4,654	1,202	98,172
1960	56.0	42.1	2,221	3,963	1,176	130,169
1965	49.5	42.0	2,873	3,356	1,140	166,980
1970	45.5	41.9	4,045	2,949	1,102	215,042
1971	45.0	41.8	3,971	2,902	1,097	222,324
1972	44.0	41.8	4,096	2,860	1,092	238,656
1973	43.5	41.8	5,414	2,823	1,088	266,241
1974	43.0	41.7	6,005	2,795	1,084	326,569
1975	42.5	41.7	8,130	2,521	1,059	358,638
1976	42.0	41.7	9,508	2,497	1,054	417,150
1977	41.5	41.7	10,759	2,456	1,048	496,376
1978	41.5	41.7	11,384	2,436	1,045	554,967
1979	40.5	41.7	12,757	2,430	1,043	652,693
1980	40.0	41.7	NA	2,428	1,042	748,202
1981	39.0	41.7	NA	2,419	1,041	820,228
1982	38.0	41.7	NA	NA	NA	NA

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years; and Land in Farms, 1950-1959, by States, (Statistical Bulletin No. 316).

TABLE 8.03

FARM REAL ESTATE: INDEX NUMBERS OF AVERAGE VALUE PER ACRE (1977 = 100)

State	1977	1978	1979	1980	1981
Iowa	100	104	120	140	150
Minnesota	100	112	131	155	179
Montana	100	111	123	144	149
Nebraska	100	96	117	134	147
NORTH DAKOTA	100	106	118	136	144
South Dakota	100	117	132	151	160
Wisconsin	100	118	139	159	180
Wyoming	100	104	118	126	135
48 States	100	109	124	143	156

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.07

VALUE OF PRODUCTION PER HARVESTED ACRE OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1981

(Dollars Per Acre)

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 11.60	$ NA	$ NA	$------	$ 16.60	$ 7.40	$ 9.60
1930	9.00	6.64	6.43	------	6.48	4.94	4.78
1935	9.80	7.98	4.86	------	5.53	4.23	4.50
1940	10.32	6.72	8.16	------	7.77	4.30	4.64
1945	24.30	25.90	23.56	------	24.02	18.20	23.46
1950	29.70	28.08	28.70	------	28.63	18.48	28.56
1955	30.75	32.37	32.08	------	32.22	13.16	19.35
1960	24.92	40.74	34.90	------	36.06	14.74	17.40
1965	37.00	39.68	34.80	26.40	36.17	25.75	38.80
1970	58.14	34.50	34.04	33.27	34.16	21.93	28.56
1975	128.52	123.23	103.28	88.76	110.84	54.12	96.90
1976	87.60	61.75	65.42	63.84	64.26	52.06	85.12
1977	143.81	65.17	60.00	53.82	61.31	37.60	60.06
1978	162.74	92.30	81.20	73.08	84.84	54.00	81.88
1979	161.88	114.66	93.54	72.62	100.43	51.04	94.76
1980	166.46	96.90	72.52	53.26	82.14	53.10	83.84
1981	178.20	101.50	100.80	91.80	100.97	78.20	110.40

Year	Rye	Flaxseed	Potatoes	Sugar Beets*	Soybeans	Sunflowers	All Hay
1925	$ 7.04	$15.14	$ 99.54	$ 51.34	$------	$------	$-----
1930	3.92	7.73	60.45	61.51	------	------	-----
1935	4.20	7.64	37.17	56.21	------	------	-----
1940	3.68	7.92	41.40	66.00	------	------	4.69
1945	20.79	22.72	147.74	95.06	24.15	------	9.51
1950	12.92	29.34	152.76	92.40	26.04	------	13.21
1955	16.96	21.89	174.60	132.21	32.70	------	14.15
1960	16.50	19.64	170.24	150.29	28.08	------	15.81
1965	22.18	33.24	203.00	120.90	46.93	42.48	19.43
1970	24.94	23.60	250.50	167.44	40.80	47.39	21.14
1975	58.50	61.85	672.00	396.26	97.32	118.68	53.57
1976	61.21	57.44	483.00	265.91	91.27	110.70	52.59
1977	46.80	46.40	432.00	381.81	116.60	132.49	45.25
1978	52.39	67.16	455.00	450.63	185.65	141.06	64.35
1979	47.60	74.88	520.00	599.03	156.60	120.68	61.15
1980	55.44	71.80	959.00	654.43	122.85	107.24	66.99
1981	86.40	83.13	787.50	NA	156.80	130.56	91.39

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970.

* Excluding government payments.

TABLE 8.04

THE FIVE LEADING STATES AND NORTH DAKOTA'S RANK WITH RESPECT TO PRODUCTION OF AGRICULTURAL COMMODITIES, 1981

Item	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	North Dakota's Rank	North Dakota's % Share of National Total
Crop Production 1981							
Corn for Grain	Iowa	Ill.	Nebr.	Minn.	Ind.	22	1%
Corn for Silage	Wis.	Minn.	N.Y.	Iowa	Neb.	16	2
All Wheat	N. Dak.	Kans.	Tex.	Mont.	Okla.	1	12
Winter Wheat	Kans.	Tex.	Okla.	Wash.	Mo.	37	*
Durum Wheat	N. Dak.	Ariz.	Calif.	Mont.	S. Dak.	1	70
Other Spring Wheat	N. Dak.	Minn.	Mont.	S. Dak.	Idaho	1	39
Oats	Minn.	S. Dak.	Iowa	Wis.	N. Dak.	5	9
Barley	N. Dak.	Idaho	Minn.	Mont.	Wash.	1	22
Rye	S. Dak.	Minn.	Ga.	N. Dak.	Nebr.	4	14
Flaxseed	N. Dak.	S. Dak.	Minn.	NA	NA	1	55
Potatoes	Idaho	Wash.	Maine	Oreg.	Calif.	6	6
Soybeans for Beans	Ill.	Iowa	Mo.	Ind.	Minn.	27	*
Dry Edible Beans, All	Mich.	N. Dak.	Idaho	Calif.	Nebr.	2	14
Sugar Beets	Calif.	Minn.	Idaho	N. Dak.	Mich.	4	10
Sunflowers	N. Da	Minn.	S. Dak.	Tex.	NA	1	70
Alfalfa Hay & Mixtures	Wis.	Iowa	Calif.	Minn.	Nebr.	13	3
All Other Hay	Tex.	Mo.	N.Y.	Ky.	Kans.	17	4
All Hay	Wis.	Iowa	Minn.	Calif.	Nebr.	12	3
Total Acreage of Principal Crops Harvested	Iowa	Tex.	Ill.	N. Dak.	Minn.	4	6
Livestock on Hand, January 1, 1982							
All Cattle & Calves	Tex.	Nebr.	Iowa	Kans.**	Okla.**	19	2
Milk Cows that have Calved	Wis.	Calif.	N.Y.	Minn.	Pa.	30	1
Beef Cows that have Calved	Tex.	Okla.	Mo.	Nebr.	Kans.	14	3
All Hogs - Dec. 1, 1981	Iowa	Ill.	Minn.	Ind.**	Nebr.**	24	1
Stock Sheep & Lambs	Tex.	Calif.	Wyo.	S. Dak.	Utah	15	2
Sheep & Lambs on Feed	Colo.	Calif.**	Tex.**	Wyo	Oreg.	12	3
Cattle & Calves on Feed	Tex.	Nebr.	Iowa	Kans.	Colo.	22	*

TABLE 8.04--Continued

Item	Rank 1	2	3	4	5	North Dakota's Rank	North Dakota's % Share of National Total
All Chickens - Dec. 1977	Calif.	Ga.	Ark.	Ind.	Pa.	44	*%
Livestock Production in 1981							
Calf Crops	Tex.	Mo.	Okla.	Wis.	Nebr.	15	2
Lamb Crops	Tex.	Calif.	S. Dak.	Wyo.	Idaho	15	2
Pig Crops	Iowa	Ill.	Minn.	Mo.	Ind.	26	1
Chickens Raised	Ga.	Calif.	Ark.	Pa.	Ind.	35	1
Turkeys Raised	N.C.	Minn.	Calif.	Ark.	Mo.	22	1
Egg Production	Calif.	Ga.	Pa.	Ark.	Ind.	47	*
Wool Production	Tex.	Calif.	Wyo.	Colo.	S. Dak.	15	2
Honey Production	Fla.	N. Dak.	Tex.	Minn.	S. Dak.	2	12
Milk Production	Wis.	Calif.	N.Y.	Minn.	Pa.	31	1
Creamery Butter	Wis.	Calif.	Minn.	Pa.	N.Y.	18	*
American Cheese	Wis.	Minn.	Iowa	Idaho	N.Y.	11	2
Cash Receipts from Farm Marketings & Govt. Payments 1981							
Crops	Calif.	Ill.	Iowa.	Tex.	Minn.	12	3
Livestock	Iowa	Tex.	Calif.	Wis.	Nebr.	31	1
Total	Calif.	Iowa.	Tex.	Ill.	Minn.	22	2
Government Payments	Tex.	N. Dak.	Kans.	Nebr.	Mo.	2	9
Realized Income per Farm							
Gross	Ariz.	Calif.	Colo.	Hawaii	Fla.	19	-
Net	Ariz.	Calif.	Hawaii	Fla.	Wash.	40	-

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, Annual Summary for 1982 and Revisions for 1976.

* Less than one-half of one percent.

** Tied.

TABLE 8.05

PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1981

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barle
	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.
1925	3,400	43,036	70,495	-----	113,531	61,378	36,400
1930	2,790	37,417	69,911	-----	107,328	40,312	42,702
1935	6,880	18,144	36,570	-----	54,714	51,371	42,840
1940	11,352	24,885	67,860	-----	92,745	35,301	27,952
1945	9,090	29,948	124,620	-----	154,568	86,222	52,532
1950	9,350	32,440	91,546	-----	123,986	58,464	51,504
1955	12,625	12,740	96,596	-----	109,336	54,740	81,698
1960	8,932	26,880	100,620	-----	127,500	66,129	84,672
1965	7,252	61,411	115,824	680	177,915	106,038	97,760
1970	6,375	46,075	109,112	1,377	156,564	120,056	65,892
1971	10,730	82,063	207,711	1,800	291,574	113,630	99,810
1972	11,390	65,493	149,147	2,178	216,818	105,570	104,680
1973	10,080	69,575	169,675	2,336	241,586	73,800	102,490
1974	8,160	70,800	136,530	3,422	210,752	44,100	56,280
1975	7,140	104,940	156,315	3,137	264,392	56,170	79,800
1976	7,640	90,500	193,550	3,780	287,830	44,840	81,320
1977	17,301	60,515	167,000	2,392	229,907	60,000	98,670
1978	19,987	102,060	180,090	3,915	286,065	65,880	112,700
1979	23,778	84,500	165,095	2,640	252,235	36,960	75,900
1980	16,820	73,150	105,450	1,050	179,650	13,500	48,000
1981	41,553	130,790	197,400	3,510	331,700	44,160	105,600

TABLE 8.05--Continued

Year	Rye	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay Baled
	1000 bu.	1000 bu.	1000 cwt.	1000 tons	1000 bu.	1000 lbs.	tons
1925	16,338	9,789	3,192	43	-----	-----	2,735
1930	13,933	8,256	3,978	73	-----	-----	2,576
1935	12,398	5,616	7,409	120	-----	-----	2,971
1940	8,648	3,672	10,626	186	-----	-----	2,742
1945	1,552	12,200	14,076	169	58	-----	3,233
1950	2,310	17,181	12,768	231	430	3,911	3,351
1955	8,816	23,750	7,830	398	1,364	-----	4,353
1960	6,666	15,054	14,336	564	2,288	-----	4,298
1965	12,138	19,560	15,370	715	4,009	21,250	4,724
1970	5,249	16,440	17,550	1,070	2,715	112,460	4,801
1971	9,750	9,041	19,995	1,204	2,912	243,420	4,917
1972	4,615	7,320	17,400	1,008	3,895	368,710	5,101
1973	3,039	7,576	19,140	1,284	5,123	431,010	4,197
1974	2,650	6,688	22,950	1,562	2,723	352,680	4,707
1975	2,975	7,700	17,600	1,820	2,906	547,800	5,268
1976	2,831	4,000	16,940	2,022	1,838	600,000	3,976
1977	2,080	7,500	21,600	2,769	3,500	1,658,250	3,229
1978	6,355	4,715	22,400	3,054	4,758	2,579,500	6,285
1979	4,200	5,980	18,240	2,304	5,562	4,584,600	5,650
1980	1,470	3,100	15,680	2,017	3,580	2,181,050	2,519
1981	2,560	4,250	20,125	2,652	6,440	3,158,160	4,761

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.06

TOTAL VALUE OF PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1981 (Thousands of Dollars)

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 1,972	$ NA	$ NA	$ -----	$ 153,267	$17,800	$ 17,472
1930	1,395	20,205	44,044	-----	64,397	9,272	12,384
1935	3,371	13,789	29,622	-----	43,224	9,247	10,710
1940	4,881	15,926	46,145	-----	62,139	7,413	8,106
1945	9,817	47,018	189,422	-----	236,440	48,284	53,583
1950	12,622	67,475	187,669	-----	255,144	38,586	61,290
1955	15,529	31,723	199,954	-----	231,677	25,728	70,260
1960	7,949	52,147	180,110	-----	232,257	29,097	60,117
1965	7,252	78,606	167,945	898	247,449	53,019	94,827
1970	7,268	63,583	161,486	1,764	226,833	61,229	55,349
1971	10,730	107,503	270,024	2,070	379,597	53,406	77,852
1972	15,604	127,056	280,396	3,746	411,198	64,398	108,867
1973	23,486	429,278	726,209	9,764	1,165,251	81,180	214,204
1974	25,051	422,676	607,559	13,688	1,043,923	62,181	174,468
1975	17,993	487,971	633,075	10,918	1,131,964	74,144	203,490
1976	16,732	223,535	516,779	8,618	748,932	61,431	182,157
1977	34,083	160,970	400,800	5,597	560,496	57,000	157,872
1978	41,173	299,036	504,152	9,866	813,154	65,880	200,606
1979	50,668	372,645	582,785	8,712	946,142	42,847	156,354
1980	48,273	373,065	413,364	3,728	790,157	23,895	125,760
1981	91,417	457,765	710,640	11,934	1,180,339	75,072	242,880

TABLE 8.06--Continued

Year	Rye	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay
1925	$10,946	$22,123	$ 7,554	$ 237	$ -----	$ -----	$ -----
1930	4,877	13,292	6,166	509	-----	-----	-----
1935	3,595	7,806	4,692	716	-----	-----	-----
1940	2,767	4,847	6,376	928	-----	-----	14,258
1945	2,390	34,648	25,102	1,638	122	-----	32,653
1950	2,841	56,010	17,109	2,539	1,066	176	48,590
1955	9,345	68,400	15,190	4,497	2,878	-----	53,542
1960	5,000	38,388	19,067	6,373	4,942	-----	61,461
1965	10,560	54,181	21,518	8,080	9,902	1,062	70,388
1970	4,514	38,798	29,309	15,622	7,385	5,734	74,416
1971	7,410	20,975	24,594	18,542	8,357	12,346	81,131
1972	3,738	22,912	47,850	16,531	16,554	18,176	91,818
1973	6,321	57,729	88,044	33,127	28,177	36,535	134,304
1974	6,705	64,205	72,293	60,449	16,338	49,611	195,341
1975	6,962	50,127	73,920	51,870	14,501	59,102	189,648
1976	6,794	28,720	58,443	39,833	13,417	66,420	180,908
1977	3,744	34,800	58,320	59,257	20,405	174,882	142,076
1978	10,740	27,536	58,240	69,937	32,117	269,417	356,617
1979	7,140	34,445	59,280	78,566	32,260	407,650	214,022
1980	3,881	20,822	107,408	93,387	24,570	239,683	118,925
1981	6,912	28,263	90,563	NA	36,064	343,110	295,182

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.08

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF SPECIFIED CROPS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1980

(Thousands of Dollars)

Year	Corn		Wheat		Oats		Barley		Rye	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 607	0.2	$ 149,792	53.8	$ 5,383	1.9	$ 9,827	3.5	$ 10,697	3.8
1930	73	0.1	58,003	39.0	1,157	0.8	3,745	2.5	3,053	2.1
1935	165	0.2	22,934	24.7	887	1.0	2,213	2.4	949	1.0
1940	466	0.3	54,800	35.7	730	0.5	2,076	1.4	1,680	1.1
1945	1,718	0.4	209,236	43.4	18,817	3.9	34,524	7.2	1,732	0.4
1950	3,606	0.7	205,247	40.2	8,347	1.6	36,063	7.1	2,812	0.6
1955	3,383	0.7	197,858	38.1	7,568	1.5	49,536	9.5	7,732	1.5
1960	2,147	0.4	220,484	41.8	9,079	1.7	46,344	8.8	3,578	0.7
1965	2,265	0.3	219,335	32.0	21,755	3.2	77,990	11.4	9,692	1.4
1970	3,629	0.5	312,059	40.2	34,375	4.4	48,969	6.3	3,675	0.5
1975	11,931	0.7	931,966	50.9	16,827	0.9	137,620	7.5	7,198	0.4
1976	11,649	0.7	748,811	44.7	20,133	1.2	153,202	9.1	5,592	0.3
1977	19,378	1.3	637,925	34.6	16,622	1.0	107,619	6.5	3,567	0.2
1978	26,792	1.3	740,054	34.4	16,838	1.0	131,326	6.1	7,200	0.4
1979	24,043	1.0	893,147	38.8	12,087	0.5	137,980	5.4	6,607	0.3
1980	26,389	1.1	881,115	35.2	3,436	0.1	84,356	3.4	2,820	0.1

Year	Flax		Potatoes		Sugar Beets		Soybeans		Sunflowers[1]	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$24,060	8.6	$ 3,653	1.3	$------	---	$------	---	$ -----	---
1930	12,590	8.5	4,039	2.7	------	---	------	---	-----	---
1935	6,454	6.9	1,974	2.1	------	---	------	---	-----	---
1940	3,748	2.4	4,525	3.0	------	---	------	---	-----	---
1945	31,501	6.5	17,601	3.7	------	---	99	*	-----	---
1950	53,471	10.5	17,393	3.4	2,407	0.5	781	0.2	-----	---
1955	73,600	14.2	12,906	2.5	4,497	0.9	2,013	0.4	-----	---
1960	31,760	6.0	19,330	3.7	6,373	1.2	5,143	1.0	-----	---
1965	45,158	6.6	31,253	4.6	8,080	1.2	7,716	1.1	-----	---
1970	35,397	4.6	23,664	3.0	15,622	2.0	6,509	0.8	-----	---

TABLE 8.08--Continued

Year	Flax		Potatoes		Sugar Beets		Soybeans		Sunflowers[1]	
	Total	%	Total	%	Total	%	Total	%	Total	%
1975	$47,131	2.6	$49,929	2.7	$ 51,870	2.8	$13,858	0.8	$ 59,102	3.2
1976	29,850	1.8	56,589	3.4	39,833	2.4	12,838	0.8	66,420	4.0
1977	37,117	2.2	56,027	3.4	54,782	3.3	16,390	1.0	174,882	10.5
1978	21,947	1.3	50,254	2.4	69,937	3.1	20,666	1.0	190,370	8.5
1979	27,434	1.4	53,793	2.2	78,566	2.3	31,956	1.3	314,534	13.2
1980	25,830	1.0	55,787	2.2	68,780	2.7	29,651	1.2	330,514	13.2

Year	Hay		Misc.[2]		Crops Total	
	Total	%	Total	%	Total	%
1925	$ 1,184	0.4	$ 1,927	0.7	$ 207,130	74.4
1930	1,099	0.7	1,833	1.2	85,592	57.5
1935	425	0.5	1,454	1.6	37,455	40.3
1940	244	0.2	2,023	1.3	70,292	45.8
1945	867	0.2	4,254	0.9	320,349	66.5
1950	2,515	0.5	3,515	0.7	336,157	65.9
1955	2,850	0.5	3,889	0.7	365,832	70.4
1960	4,757	0.9	3,301	0.6	352,296	66.8
1965	6,136	0.9	8,415	1.2	437,795	63.9
1970	5,954	0.8	14,011	1.8	503,864	64.9
1975	17,579	1.0	31,399	1.7	1,376,410	75.2
1976	20,454	1.2	31,950	1.9	1,197,321	71.4
1977	13,233	0.8	23,493	1.4	1,055,999	63.5
1978	17,206	1.0	83,038	NA	1,343,147	62.3
1979	20,015	1.0	110,091	NA	1,646,031	69.5
1980	20,088	0.8	170,127	6.8	1,604,961	64.1

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970.

[1] Included in miscellaneous prior to 1975.

[2] Includes dry field peas, dry beans, alfalfa, sweet clover, sunflowers (prior to 1975), miscellaneous vegetables, miscellaneous fruits and nuts, bromegrass, red clover, wheat grass, other seeds, other field crops and greenhouse products.

* Less than .05%.

TABLE 8.09

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1980

(Thousands of Dollars)

Year	Cattle		Sheep		Hogs		Dairy[1]		Chickens		Eggs	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 19,428	7.0	$1,618	0.6	$19,153	6.9	$ 19,804	7.1	$1,734	0.6	$ 5,483	2.0
1930	14,843	10.0	2,055	1.4	14,101	9.5	20,537	13.8	2,609	1.8	3,690	2.5
1935	8,700	9.4	1,938	2.1	3,159	3.4	15,357	16.5	1,396	1.5	2,546	2.7
1940	18,765	12.2	2,987	1.9	6,869	4.5	18,380	12.0	1,507	1.0	2,516	1.6
1945	57,053	11.8	6,277	1.3	27,598	5.7	32,233	6.7	7,438	1.5	12,667	2.6
1950	90,821	17.8	3,957	0.8	20,378	4.0	34,603	6.8	3,419	0.7	9,681	1.9
1955	71,371	13.7	5,087	1.0	17,257	3.3	37,001	7.1	2,093	0.4	11,234	2.2
1960	97,296	17.2	6,829	1.2	17,336	3.1	38,693	6.8	618	0.1	7,300	1.3
1965	169,758	21.2	7,487	0.9	19,954	2.5	36,606	4.6	154	*	5,914	0.7
1970	192,085	20.4	6,368	0.7	20,980	2.2	41,295	4.4	123	*	3,839	0.4
1971	223,956	22.9	5,691	0.6	23,642	2.4	41,296	4.2	127	*	2,789	0.3
1972	276,875	25.0	5,802	0.5	28,588	2.6	43,250	3.8	108	*	2,581	0.2
1973	353,959	15.6	7,472	0.3	37,890	1.7	57,253	2.4	144	*	4,308	0.2
1974	325,361	13.2	8,133	0.3	37,147	1.5	62,670	2.6	149	*	4,366	0.2
1975	329,448	17.8	6,056	0.3	39,780	2.2	62,927	3.4	166	*	3,495	0.2
1976	339,272	20.0	4,190	0.3	40,800	2.4	75,485	4.4	146	*	3,330	0.2
1977	347,438	20.9	6,603	0.4	35,426	2.1	76,057	4.6	64	*	2,798	0.2
1978	372,843	17.4	7,526	0.4	40,023	1.9	81,600	3.8	46	*	2,409	0.1
1979	526,129	21.8	5,337	0.2	39,801	1.7	92,698	3.7	67	*	2,501	0.1
1980	602,644	24.1	6,581	0.3	37,990	1.5	103,940	4.2	134	*	2,280	0.1

Year	Turkeys		Wool		Honey & Beeswax[2]		Misc.[3]		Livestock Total	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ -----	---	$ 792	0.3	$------	---	$ 3,268	1.2	$ 71,280	25.6
1930	3,537	2.4	1,128	0.8	------	---	715	0.5	63,215	42.5
1935	2,515	2.7	1,054	1.1	------	---	1,893	2.0	38,558	41.5
1940	3,243	2.1	1,910	1.2	------	---	1,002	0.7	57,179	37.3
1945	4,306	0.9	2,739	0.6	------	---	2,150	0.4	152,461	31.7

TABLE 8.09--Continued

Year	Turkeys Total	Turkeys %	Wool Total	Wool %	Honey & Beeswax[2] Total	Honey & Beeswax[2] %	Misc.[3] Total	Misc.[3] %	Livestock Total Total	Livestock Total %
1950	$2,811	0.6	$1,535	0.3	$------	---	$ 969	0.2	$168,174	32.9
1955	2,500	0.5	1,577	0.3	------	---	1,312	0.3	149,432	28.8
1960	3,772	0.7	2,618	0.5	------	---	877	0.2	175,339	31.0
1965	4,271	0.5	2,040	0.3	------	---	1,403	0.2	247,587	30.9
1970	4,140	0.4	1,138	0.1	------	---	2,593	0.3	272,561	28.9
1971	4,182	0.4	695	0.1	------	---	2,582	0.3	304,960	31.2
1972	4,437	0.4	1,026	0.1	------	---	4,063	0.4	366,730	33.0
1973	9,013	0.4	2,295	0.1	------	---	4,839	0.2	477,173	21.0
1974	3,960	0.2	1,483	0.1	3,346	0.1	1,857	0.1	448,472	18.2
1975	5,772	0.3	774	*	4,362	0.2	2,133	0.1	454,913	24.5
1976	4,681	0.3	1,126	0.1	7,306	0.4	2,422	0.1	478,758	28.2
1977	4,368	0.3	1,224	0.1	5,658	0.3	3,675	0.2	483,311	29.1
1978	6,669	0.3	1,236	0.1	9,782	0.5	15,746	0.2	526,862	24.7
1979	7,018	0.3	1,397	0.1	12,261	0.5	20,553	0.2	694,104	28.6
1980	8,079	0.3	1,664	0.1	8,525	0.3	19,774	0.8	781,422	31.2

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and jointly with North Dakota State University, Dept. of Ag. Economics. Price Trends in North Dakota, 1950-1970.

[1] Includes wholesale and retail milk and milkfat in cream.

[2] Included in miscellaneous prior to 1974.

[3] Includes horses, other poultry, turkey eggs, and etc.

* Less than .05%.

TABLE 8.10

NORTH DAKOTA CASH RECEIPTS FROM GOVERNMENT PAYMENTS, SELECTED YEARS, 1935-1981 (Thousands of Dollars)

Year	Conservation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conservation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1935	$------	$ 340	$-----	$------	$---	$------	$ 13,752	$-----	$ 2,763	$ 16,855
1940	18,533	243	-----	------	---	------	-------	-----	7,138	25,914
1945	3,094	416	-----	------	---	------	-------	-----	5,236	8,746
1950	5,264	663	-----	------	---	------	-------	-----	-----	5,927
1955	3,190	1,022	-----	------	---	------	-------	-----	-----	4,212
1960	5,131	1,089	1,215	30,646	484	------	-------	-----	-----	38,565
1961	7,759	1,314	1,273	25,453	530	5,457	2,550	-----	-----	44,336
1962	5,366	1,410	1,234	24,623	496	13,285	26,470	-----	-----	72,884
1963	4,694	1,414	838	24,443	627	16,433	31,918	-----	-----	80,367
1964	4,113	1,634	504	18,905	624	24,487	57,410	-----	-----	107,677
1965	3,758	1,368	427	16,039	552	28,639	65,534	-----	-----	116,317
1966	3,876	1,729	677	14,072	619	23,553	90,838	2,093	-----	137,457
1967	4,944	1,885	479	12,024	626	8,609	99,819	2,464	-----	130,850
1968	5,154	2,350	989	10,848	882	12,453	105,235	2,332	-----	140,243
1969	4,891	2,427	901	5,658	658	33,133	113,014	2,284	-----	162,966
1970	4,345	3,153	855	267	683	32,891	122,731	2,314	-----	167,239
1971	4,210	2,350	1,245	9	713	9,956	119,976	2,058	-----	140,517
1972	5,763	2,761	2,048	------	773	53,587	141,244	1,929	17	208,122
1973	316	2,073	1,220	------	815	34,508	78,702	1,273	524	119,431
1974	3,678	3,264	-----	------	630	7,026	14,627	1,154	589	30,968

TABLE 8.10--Continued

Year	Conservation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conservation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1975	$4,273	$3,222	$-----	$------	$748	$ 5,200	$ 9,430	$ 943	$ 1,067	$ 24,883
1976	4,835	(1)	-----	------	763	5,616	9,313	397	1,821	22,744
1977	5,279	1,218	-----	------	768	5,293	101,617	0	8,427	122,603
1978	5,373	-----	-----	------	---	75,827	161,885	-----	34,218	278,179
1979	3,326	-----	-----	------	---	7,729	8,227	-----	27,237	46,519
1980	4,312	-----	-----	------	---	19,200	74,582	-----	18,540	116,634
1981	4,501	-----	-----	------	---	14,539	67,796	-----	43,823	130,659

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and Statistics of North Dakota Agriculture (revised 1972); and data from pending revision of same.

[1] Includes amounts paid under separate programs not listed separately.

[2] Included in miscellaneous. See note 4 below.

[3] Data for 1935-1977 represent the Wheat-Rye Program.

[4] Miscellaneous includes the following for years specified: Corn-Hog Program, 1935-1937; Parity and Price Adjustment, 1939-1944; Dairy Production Payments, 1943-1946; Sheep and Lamb Production and Beef Programs, 1945-1946; Wool Act, 1974-1977; Milk Indemnity Program, Beekeepers Indemnity Program, Emergency Feed Program, and other miscellaneous programs, 1972-1977; Water Bank Program and Drought and Flood Conservation Program, 1976-1977; and Sugar Act, 1978-1981.

TABLE 8.12

CASH RECEIPTS FROM FARMING AND VALUE OF HOME CONSUMPTION: UNITED STATES, NORTH DAKOTA, AND OTHER NORTH CENTRAL STATES, 1980 (Thousands of Dollars)

	Cash Receipts From Farming				
	Farm Marketings				
	Livestock and Livestock Products	Crops	Total	Government Payments	Total
U.S.	$67,405,497	$69,025,823	$136,431,320	$1,285,672	$137,716,992
N.D.	781,442	1,604,961	2,386,383	116,634	2,503,017
S.D.	1,790,038	755,580	2,545,618	65,272	2,610,890
Nebr.	3,570,282	2,504,407	6,074,689	82,918	6,157,607
Mont.	746,840	660,450	1,407,290	58,484	1,465,774
Wyo.	524,327	126,361	650,688	7,323	658,011
Minn.	3,303,966	2,988,358	6,292,324	69,593	6,361,917
Ill.	2,312,430	5,578,766	7,891,196	35,734	7,926,930
Ind.	1,661,756	2,846,269	4,508,025	15,024	4,523,049
Iowa	5,487,358	4,552,616	10,039,974	44,563	10,084,537
Kans.	3,361,761	2,524,929	5,886,690	93,251	5,979,941
Mich.	1,118,819	1,574,749	2,693,568	10,666	2,704,234
Mo.	2,181,302	1,924,162	4,105,464	78,907	4,184,371
Ohio	1,356,110	2,381,219	3,737,329	9,403	3,746,732
Wis.	3,743,216	968,307	4,711,523	12,373	4,723,896

	Value of Home Consumption			Cash Receipts From Farming and Value of Home Consumption
	Livestock and Livestock Products	Crops	Total	
U.S.	$791,171	$362,501	$1,153,672	$138,870,664
N.D.	13,760	2,364	16,124	2,519,141
S.D.	17,152	1,984	19,100	2,629,990
Neb.	22,752	3,409	26,561	6,184,168
Mont.	7,198	1773	8,971	1,474,745
Wyo.	3,701	438	4,139	662,150
Minn.	24,384	12,582	36,966	6,398,883
Ill.	29,897	6,330	36,227	7,963,157
Ind.	16,922	7,705	24,627	4,547,676
Iowa	53,725	3,918	57,643	10,142,180
Kans.	24,881	4,052	28,933	6,008,874
Mich.	16,166	8,594	24,760	2,728,994
Mo.	32,246	14,311	46,557	4,230,928
Ohio	22,567	9,535	32,102	3,778,834
Wis.	40,895	47,319	88,214	4,812,110

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, 1981.

TABLE 8.13

REALIZED GROSS INCOME AND NET INCOME FROM FARMING, NORTH DAKOTA, SELECTED YEARS, 1950-1980 (Millions of Dollars)

	1950	1955	1960	1965	1970	1975
Cash Receipts From Farm Marketings	$ 504.4	$ 515.3	$ 515.6	$ 686.3	$ 776.9	$1,831.3
Government Payments	5.9	4.2	38.6	116.3	167.2	24.9
Nonmoney Income	31.9	28.6	29.1	42.8	55.7	101.0
Other Farm Income	0.4	2.0	3.0	5.4	9.2	21.0
TOTAL REALIZED GROSS FARM INCOME	542.7	550.1	586.3	850.8	1,008.9	1,978.2
Farm Production Expenses	342.9	396.1	446.4	586.8	703.8	1,502.0
Realized Net Farm Income*	199.8	154.0	139.9	264.0	305.1	476.1
Net Change in Farm Inventories	62.2	58.3	65.7	45.7	-60.3	244.9
TOTAL NET FARM INCOME	262.0	212.3	205.6	309.7	244.8	721.0

	1976	1977	1978	1979	1980
Cash Receipts From Farm Marketings	$1,678.1	$1,620.8	$1,870.0	$2,340.1	$2,386.4
Government Payments	22.7	122.6	278.2	46.5	116.6
Nonmoney Income	114.8	130.2	149.5	175.7	208.2
Other Farm Income	23.1	27.8	30.5	38.0	39.6
TOTAL REALIZED GROSS FARM INCOME	1,839.3	1,901.4	2,328.2	2,600.4	2,750.8
Farm Production Expenses	1,565.5	1,621.4	1,921.4	2,217.4	2,343.7
Realized Net Farm Income*	273.7	280.0	406.8	383.0	407.1
Net Change in Farm Inventories	47.0	-145.6	89.4	-0.4	318.5
TOTAL NET FARM INCOME	320.7	134.4	496.2	382.7	88.6

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years.

* Of farm operators.

Note: Details may not add to totals due to rounding.

TABLE 8.18

ANNUAL AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS FOR SELECTED LIVESTOCK AND LIVESTOCK PRODUCTS, SELECTED YEARS, 1925-1981

Year	Beef Cattle	Calves	Hogs*	Sheep	Lambs	Milk Cows*	Live Turkeys*
	(Dollars per Hundred Pounds Liveweight)					$/head	$/pound
1925	$ 5.10	$ 7.60	$ 9.70	$ 7.20	$11.80	$ 50.00	$.266
1930	6.10	9.10	7.90	3.65	6.50	59.00	.188
1935	5.30	6.30	7.60	3.40	7.40	43.00	.206
1940	6.80	8.00	4.70	3.20	7.50	59.00	.148
1945	10.10	12.30	13.40	6.20	12.50	103.00	.320
1950	22.00	25.20	17.00	11.50	25.10	207.00	.343
1955	13.60	16.10	13.30	4.80	16.90	156.00	.299
1960	19.40	23.60	14.60	4.80	16.60	212.00	.238
1965	18.80	22.90	19.30	5.30	21.50	188.00	.211
1970	26.40	35.00	21.80	6.20	25.90	306.00	.215
1975	30.20	29.40	43.70	7.20	39.30	328.00	.360
1976	33.20	37.30	42.00	9.60	41.60	375.00	.292
1977	34.20	40.00	38.10	10.30	49.50	397.00	.350
1978	48.40	60.10	45.30	15.50	61.60	570.00	.450
1979	67.70	88.60	40.80	24.50	68.20	960.00	.430
1980	61.10	78.20	35.00	24.60	61.90	1,070.00	.470
1981	55.30	63.10	40.80	16.80	48.90	1,080.00	.360

Year	Live Chickens*	Eggs*	Milkfat in Cream	Milk Wholesale	Honey	Beeswax
	$/pound	$/dozen	$/pound	$/cwt.	$/pound	$/pound
1925	$.146	$.256	$.390	$2.40	$----	$----
1930	.131	.183	.320	2.15	----	----
1935	.127	.201	.260	1.95	----	----
1940	.098	.129	.270	1.85	----	----
1945	.219	.304	.500	2.70	.192	.43
1950	.193	.274	.620	3.59	.122	.43
1955	.142	.285	.600	3.79	.145	.51
1960	.079	.244	.620	3.55	.154	.45
1965	.049	.249	.640	3.31	.140	.46
1970	.055	.293	.740	4.85	.162	.62
1975	.100	.358	.710	7.55	[illegible]	1.08
1976	.100	.380	.840	8.55	.492	1.15
1977	.040	.370	.840	8.60	.490	1.63
1978	.036	.340	.910	10.00	.471	1.81
1979	.040	.380	NA	11.00	.519	1.83
1980	.040	.360	NA	11.80	.528	1.95
1981	.070	.390	NA	12.60	.550	1.99

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970.

* As of 1968 marketing year is December through November.

TABLE 8.20

NON-REAL ESTATE LOANS TO NORTH DAKOTA FARMERS, AMOUNT OUTSTANDING JANUARY 1, BY SELECTED LENDING AGENCIES, 1955-1981[1]

(Thousands of Dollars)

Year	Lending Agency				
	All Operating Banks[2]	Production Credit Assoc.	Federal Intermediate Credit Banks[3]	Farmers Home Administration	Total
1955	$ 42,342	$ 5,774	$ 1,022	$ 13,125	$ 62,263
1956	47,806	7,026	1,147	13,052	69,031
1957	47,904	7,298	942	14,812	70,956
1958	50,428	8,720	617	15,007	74,772
1959	54,696	11,842	675	13,457	80,670
1960	66,797	18,768	827	13,140	99,532
1961	79,845	25,621	1,080	15,250	121,796
1962	83,468	30,019	1,304	28,273	143.064
1963	94,339	33,808	1,522	25,839	155,508
1964	110,670	43,607	1,837	25,193	181,307
1965	130,672	47,686	1,805	25,538	208,701
1966	140,974	50,604	1,920	31,012	224,510
1967	167,803	65,557	2,481	30,925	266,766
1968	178,451	76,536	2,695	30,378	288,060
1969	186,602	85,700	3,227	28,827	304,356
1970	204,117	100,499	4,108	27,230	335,954
1971	226,513	116,810	5,449	30,916	379,688
1972	244,712	129,894	6,839	31,983	413,428
1973	266,201	135,929	6,404	35,789	444,323
1974	339,292	159,986	7,832	37,570	544,680
1975	411,514	195,100	10,356	37,476	654,446
1976	523,386	245,300	12,182	55,604	836,472
1977	586,652	294,268	11,215	66,032	958,167
1978	576,374	304,584	10,236	150,413	1,041,607
1979	647,346	347,576	12,635	290,350	1,297,907
1980	790,060	530,779	18,370	343,120	1,682,329
1981	767,665	555,584	21,178	420,190	1,764,617

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and Statistics of North Dakota Agriculture, 1972 revised.

[1] Excludes loans held or guaranteed by Commodity Credit Corporation.

[2] Loans are classified according to location of banks and, therefore, are not strictly comparable with data for other lenders, which are classified according to location of borrower.

[3] Loans to and discounts for livestock loan companies and agricultural credit corporations.

TABLE 8.21

ANNUAL AVERAGE FARM EMPLOYMENT IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1935-1980 (In Thousands)

Year	North Dakota			United States*		
	Total Workers	Family Workers	Hired Workers	Total Workers	Family Workers	Hired Workers
1935	147	129	13	12,733	9,855	2,878
1940	124	110	14	10,979	8,300	2,679
1945	106	100	6	10,000	7,881	2,119
1950	128	99	29	9,926	7,597	2,329
1955	110	88	22	8,381	6,345	2,036
1960	92	71	21	7,057	5,172	1,885
1965	75	60	15	5,610	4,128	1,482
1970	58	48	10	4,523	3,348	1,175
1975	57	48	9	4,342	3,026	1,316
1976	59	49	10	4,374	2,997	1,377
1977	64	56	8	4,170	2,863	1,307
1978	65	56	9	3,957	2,689	1,268
1979	64	55	9	3,774	2,501	1,273
1980	52	43	9	3,705	2,402	1,303

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years; U.S. Dept. of Commerce, Bureau of the Census, *Census of Agriculture*, various years; *Statistical Abstract of the United States*, 1981; and U.S. Dept. of Agriculture, Statistical Reporting Service, *Agricultural Statistics*, various years.

* Excludes Alaska and Hawaii until 1978 when Hawaii is included.

TABLE 8.22

NORTH DAKOTA AGRICULTURAL EXPORTS BY PRODUCT TYPE, SELECTED YEARS, 1964-1981

Product	Export Value in Millions of Dollars for Fiscal Year					
	1964	1977	1978	1979	1980	1981
TOTAL	194	495.8	702.6	1,084.5	1,434.9	1,143.7
Wheat & Flour	149	272.2	420.2	656.8	873.2	552.6
Feed Grains	17	53.4	39.5	31.9	67.8	63.7
Hides & Skins	*	12.0	11.7	17.1	15.1	13.5
Lard & Tallow	1	11.5	10.6	12.0	15.3	2.0
Vegetables & Preparations	1	12.1	13.5	12.3	18.2	52.7
Meats & Products	*	7.8	9.4	11.4	15.8	17.3
Dairy Products	1	1.7	1.2	0.8	1.0	2.1
Soybeans & Products	2	8	12.7	19.1	21.1	15.7
Poultry Products	*	*	*	*	*	.5
Flaxseed	6	NA	NA	NA	NA	NA
Sunflower Seeds & Oil	NA	81.8	135.8	249.2	347.4	363.6
Other Products	16	35.0	47.7	73.6	59.6	47.7

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Less than $500,000.

TABLE 8.11

NORTH DAKOTA FARM INCOME FROM FARM MARKETINGS, GOVERNMENT PAYMENTS, AND VALUE OF HOME CONSUMPTION, SELECTED YEARS, 1925-1981
(Thousands of Dollars)

Year	Cash Farm Income From				Value of Home Consumption		
	Livestock and Livestock Products	Crops	Government Payments	Total Cash Income	Livestock and Livestock Products	Crops	Total Value of Products Consumed in Households
1925	$ 71,280	$ 207,130	$-------	$ 278,410	$18,668	$2,123	$20,791
1930	63,215	85,592	-------	148,807	16,536	3,071	19,607
1935	38,558	37,455	16,855	92,868	12,409	2,032	14,441
1940	57,179	70,292	25,914	153,385	10,139	2,559	12,698
1945	152,461	320,349	8,746	481,556	18,883	4,940	23,823
1950	168,174	336,157	5,927	510,258	17,646	2,307	19,953
1955	149,432	365,832	4,212	519,476	13,570	3,583	17,153
1960	175,339	352,296	38,565	566,200	11,276	3,100	14,376
1965	247,587	437,795	116,317	801,699	9,188	1,958	11,146
1970	272,561	503,864	167,239	943,664	10,867	1,595	12,462
1971	304,960	532,487	140,517	977,964	11,356	1,391	12,747
1972	366,730	766,914	208,122	1,341,766	11,800	2,288	14,088
1973	477,173	1,676,283	119,431	2,272,887	16,348	3,081	19,429
1974	448,472	1,978,025	30,968	2,457,465	17,035	4,885	21,920
1975	454,913	1,376,410	24,883	1,856,206	12,289	2,412	14,701
1976	478,758	1,197,321	22,744	1,698,823	12,629	2,573	15,202
1977	472,560	1,148,257	122,603	1,743,420	11,718	2,383	14,101
1978	526,862	1,343,147	278,179	2,148,188	11,511	2,447	13,958
1979	694,104	1,646,031	46,519	2,386,654	14,332	2,391	16,723
1980	781,422	1,604,691	116,634	2,503,017	13,760	2,364	16,124
1981*	594,031	2,208,798	130,659	2,933,488	NA	NA	NA

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and Statistics of North Dakota Agriculture (revised 1972).

* Preliminary.

TABLE 8.14

REALIZED GROSS INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1978

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$ 5,718	$ 8,222	$ 8,169	$10,328	$ 9,931	$ 7,133	$11,167	$ 6,106
1955	7,147	8,944	8,960	11,593	10,683	8,182	11,834	7,091
1960	9,715	10,469	11,301	14,124	13,693	10,277	14,457	9,170
1965	13,559	17,189	17,011	17,962	19,666	13,498	21,908	11,562
1970	19,861	22,174	24,808	27,995	33,173	20,801	31,717	16,398
1971	20,883	23,272	25,688	28,875	33,979	21,182	30,859	17,270
1972	24,517	32,136	31,874	38,732	44,479	24,216	37,601	19,512
1973	33,831	54,188	44,897	50,225	60,486	37,101	53,691	23,862
1974	35,761	59,594	48,617	51,242	60,600	40,450	56,682	26,102
1975	35,034	46,545	43,360	46,075	59,428	35,895	51,063	28,592
1976	38,051	43,793	45,408	48,853	58,922	37,382	57,244	32,748
1977	39,712	45,303	40,337	49,441	63,120	41,807	57,856	35,232
1978	46,750	58,871	54,904	65,595	76,985	48,850	71,757	41,513

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.15

REALIZED NET INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1978

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$ 2,273	$ 3,027	$ 2,980	$ 4,226	$ 3,431	$ 2,781	$ 4,431	$ 2,343
1955	2,383	2,503	2,742	4,244	3,351	2,542	3,737	2,121
1960	2,806	2,498	2,934	4,640	3,045	2,606	3,837	2,976
1965	3,533	5,333	5,046	4,651	3,858	3,930	6,345	3,961
1970	4,797	6,705	7,090	7,962	7,232	6,578	8,016	5,199
1971	4,561	6,027	6,248	7,071	5,659	5,902	5,741	5,187
1972	6,226	13,503	10,799	13,993	8,977	7,816	8,119	6,729
1973	10,607	28,008	16,771	18,556	13,329	15,780	16,908	8,697
1974	9,925	29,207	17,765	16,030	16,185	15,694	16,764	6,643
1975	7,617	11,203	11,276	10,258	12,662	8,413	7,732	7,076
1976	7,687	6,518	12,307	6,830	5,720	7,563	8,041	8,585
1977	6,910	6,323	3,554	5,572	5,516	9,587	4,321	8,426
1978	10,037	13,145	12,968	12,938	9,734	12,930	11,166	11,677

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.16

SEASONAL AVERAGE PRICES FOR NORTH DAKOTA'S PRINCIPAL CROPS, SELECTED YEARS, 1925-1981

Year	Grain Corn	Durum Wheat	Spring Wheat Other than Durum	Winter Wheat	All Wheat	Oats	Barley
	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.	$/bu.
1925	$ .58	$ NA	$ NA	$ NA	$1.35	$ .29	$ .48
1930	.50	.54	.63	NA	.60	.23	.29
1935	.49	.76	.81	NA	.79	.18	.25
1940	.43	.64	.68	NA	.67	.21	.29
1945	1.08	1.57	1.52	NA	1.53	.56	1.02
1950	1.35	2.08	2.05	NA	2.06	.66	1.19
1955	1.23	2.49	2.07	NA	2.12	.47	.86
1960	.89	1.94	1.79	NA	1.82	.44	.71
1965	1.00	1.28	1.45	1.32	1.39	.50	.97
1970	1.14	1.30	1.48	1.28	1.45	.51	.84
1975	2.52	4.65	4.05	3.48	4.28	1.32	2.55
1976	2.19	2.47	2.67	2.28	2.60	1.37	2.24
1977	1.97	2.66	2.40	2.34	2.47	.94	1.54
1978	2.06	2.93	2.80	2.52	2.84	1.00	1.78
1979	2.13	4.41	3.53	3.30	3.82	1.16	2.06
1980	2.87	5.10	3.92	3.55	4.40	1.77	2.62
1981	2.20	3.50	3.60	3.40	3.56	1.70	2.30

TABLE 8.16--Continued

Year	Rye	Flaxseed	Potatoes	Sugar Beets[1]	Soybeans	Sunflowers[2]	All Hay Baled[4]
	$/bu.	$/bu.	$/cwt.	$/ton	$/bu.	$/cwt.	$/ton
1925	$ .67	$2.26	2.37	$ 5.52	$ NA	$ NA	$ 8.10
1930	.35	1.61	1.55	6.99	NA	NA	5.80
1935	.29	1.39	.63	5.98	NA	NA	4.15
1940	.32	1.32	.60	5.00	NA	NA	5.20
1945	1.54	2.84	1.78	9.70	2.10	NA	10.10
1950	1.23	3.26	1.34	11.00	2.48	4.50	14.50
1955	1.06	2.88	1.94	11.30	2.11	NA	12.30
1960	.75	2.55	1.33	11.30	2.16	NA	14.30
1965	.87	2.77	1.40	11.30	2.47	5.00	14.90
1970	.86	2.36	1.67	14.60	2.72	5.10	15.50
1975	2.34	6.51	4.20	28.50	4.99	10.80	36.00
1976	2.40	7.18	3.45	19.70	7.30	11.10	45.50
1977	1.80	4.64	2.70	21.40	5.83	10.60	44.00
1978	1.69	5.84	2.60	22.90	6.75	10.40	36.00
1979	1.70	5.76	3.25	34.10	5.80	8.89	37.50
1980	2.64	7.18	6.85	46.30	7.02	11.00	75.00
1981	2.70	6.65	4.50	NA	5.60	10.90	62.00

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970 and additional data supplied by North Dakota State University, Department of Agricultural Economics.

[1] Excluding government payments.

[2] Not estimated from 1952 to 1961.

[3] Loose hay prior to 1939.

TABLE 8.17

CALENDAR YEAR AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS FOR PRINCIPAL CROPS, SELECTED YEARS, 1925-1981*

Year	Grain Corn $/bu.	Durum Wheat $/bu.	Other Spring Wheat $/bu.	Winter Wheat $/bu.	All Wheat $/bu.	Oats $/bu.	Barley $/bu.	Rye $/bu.	Flax-seed $/bu.	Potatoes $/cwt.	Soy-beans $/bu.	All Hay $/ton
1925	$ .75	$ NA	$ NA	$ NA	$1.36	$ .33	$ .60	$ .91	$2.44	$1.46	$ NA	$ 7.79
1930	.65	.66	.78	NA	.73	.26	.34	.43	2.12	1.99	NA	6.00
1935	.75	.86	.87	NA	.87	.33	.43	.38	1.48	.83	NA	7.88
1940	.43	.64	.69	NA	.67	.23	.30	.34	1.53	.79	NA	5.19
1945	.90	1.51	1.47	NA	1.48	.56	1.01	1.24	2.85	2.11	2.13	9.63
1950	1.17	2.03	2.02	NA	2.02	.62	1.14	1.13	2.29	1.65	2.29	14.95
1955	1.11	2.78	2.14	NA	2.20	.49	.92	.83	2.14	1.61	2.15	12.10
1960	.89	2.02	1.86	NA	1.89	.49	.75	.78	2.71	1.70	1.84	17.49
1965	1.05	1.30	1.46	NA	1.41	.51	.94	.84	2.80	3.28	2.48	17.42
1970	1.08	1.37	1.50	1.26	1.45	.50	.80	.81	2.48	1.78	2.45	15.46
1975	2.70	5.18	4.05	3.48	4.44	1.35	2.82	2.27	6.92	3.06	5.15	40.04
1976	2.52	3.31	3.45	2.95	3.40	1.32	2.34	2.33	6.52	2.80	5.[illegible]	39.33
1977	***	2.45	2.40	2.09	2.43	1.15	1.77	***	5.86	2.53	6.69	45.96
1978	***	2.87	2.66	2.48	2.74	1.02	1.77	***	5.01	2.67	5.91	40.83
1979	***	3.71	3.25	***	3.43	1.09	2.05	***	6.26	2.75	6.48	37.88
1980	***	4.98	3.82	***	4.27	1.42	2.29	***	6.34	4.08	6.24	57.50
1981**	***	4.06	3.92	***	3.97	1.78	2.52	***	7.05	6.58	6.37	70.71

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and calculations from mid-month average prices provided by North Dakota State University, Department of Agricultural Economics.

* Based on monthly open market prices not allowing for unredeemed loans.

** Preliminary.

*** Not estimated.

TABLE 8.19

NORTH DAKOTA FARM PRODUCTION EXPENSES, SELECTED YEARS, 1950-1980
(Millions of Dollars)

	1950	1955	1960	1965	1970	1975
Current Farm Operating Expenses:						
Feed	$ 14.3	$ 17.4	$ 22.0	$ 25.3	$ 33.2	$ 51.7
Livestock	4.0	4.8	5.0	13.4	10.2	11.4
Seed[1]	10.9	12.9	12.0	17.8	22.1	64.1
Fertilizer and Lime	1.1	6.1	13.7	18.6	31.7	121.0
Repairs and Operation of Capital Items[2]	89.0	102.4	102.9	102.4	114.6	225.5
Miscellaneous[3]	31.6	40.8	53.2	81.6	109.4	225.3
Hired Labor[4]	36.6	27.0	33.1	39.2	40.4	56.4
TOTAL CURRENT FARM OPERATING EXPENSES	187.6	211.4	242.0	298.2	361.6	755.3
Depreciation & Other Consumption of Farm Capital[5]	67.9	94.4	105.1	134.4	165.5	381.8
Taxes on Farm Property	21.0	26.7	34.7	43.8	47.6	58.5
Interest on Farm Mortgage Debt	3.0	4.6	7.9	16.8	29.6	52.3
Net Rent to Nonfarm Landlords	63.3	58.9	56.6	93.6	99.6	254.1
TOTAL PRODUCTION EXPENSES	342.9	396.1	446.4	586.8	703.8	1,502.0

	1976	1977	1978	1979	1980
Current Farm Operating Expenses:					
Feed	$ 58.8	$ 53.1	$ 52.8	$ 73.2	$ 75.9
Livestock	13.4	21.9	24.6	32.0	24.7
Seed[1]	65.4	75.9	69.2	79.4	91.4
Fertilizer and Lime	126.1	136.8	148.9	176.2	232.2
Repairs and Operation of Capital Items[2]	248.2	314.3	357.0	436.9	522.7
Miscellaneous[3]	251.4	270.0	333.9	428.2	389.2
Hired Labor[4]	69.5	70.9	81.5	89.2	100.1
TOTAL CURRENT FARM OPERATING EXPENSES	832.8	943.0	1,067.9	1,315.0	1,436.2

TABLE 8.19--Continued

	1976	1977	1978	1979	1980
Depreciation & Other Consumption of Farm Capital[5]	$ 397.4	$ 383.5	$ 467.7	$ 520.4	$ 518.7
Taxes on Farm Property	61.4	70.7	71.8	74.4	79.7
Interest on Farm Mortgage Debt	60.1	69.8	81.8	103.4	139.7
Net Rent to Nonfarm Landlords	195.8	154.4	232.2	204.2	169.4
TOTAL PRODUCTION EXPENSES	1,547.4	1,621.4	1,921.4	2,217.4	2,343.7

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1982, and U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years.

[1] Includes bulbs, plants and trees.

[2] Repairs and maintenance of buildings, repairs and operation of motor vehicles and other machinery, and petroleum fuel and oil used in the farm business.

[3] Includes binding, cotton ginning, Federal crop insurance, containers, dairy supplies, electricity, greenhouse and nursery, grazing fees, harness and saddlery, net insurance premiums (fire, wind and crop hail), irrigation, livestock marketing service (excl. feed and transportation), milk hauling, miscellaneous hardware (incl. blacksmithing), machine hire and custom work, miscellaneous livestock and poultry supplies, pesticides, small hand tools, short term interest, telephones (business share), vet. services and medicines (plus insem.) and other miscellaneous.

[4] Includes cash wages, perquisities, and (1951 to date) Social Security taxes paid by employers.

[5] Includes depreciation and accidental damage to farm buildings and depreciation of motor vehicles and other farm machinery and equipment.

TABLE 8.24

FARM REAL ESTATE: AVERAGE VALUE PER ACRE, VALUE OF BUILDINGS AND TOTAL VALUE, NORTH DAKOTA, SELECTED YEARS, 1920-1982

Year	Average Value Per Acre	Average Size of Farm (acres)	Value of Buildings (Millions)	Total Value (Millions)
1920	$ 41	---	$ 209	$ 1,489
1925	30	---	206	1,020
1930	25	---	231	951
1935	17	---	172	669
1940	13	---	140	490
1945	19	---	225	787
1950	29	---	275	1,189
1955	36	---	348	1,514
1960	53	---	477	2,221
1965	67	---	500	2,873
1970	94	921	651	4,045
1971	95	929	627	3,971
1972	98	950	639	4,096
1973	108	961	695	5,414
1974	144	970	913	6,005
1975	195	1,007	1,220	8,249
1976	236	1,012	1,417	9,912
1977	275	1,020	1,592	11,495
1978	301	1,017	1,673	12,552
1979	348	1,030	NA	14,512
1980	399	1,043	NA	16,680
1981	423	1,069	NA	17,681
1982	436	1,097	NA	NA

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and U.S. Dept. of Commerce, Bureau of the Census, Historical Statistics of the United States, Colonial Times to 1970.

TABLE 8.25

INDEX NUMBERS OF AVERAGE VALUE OF LAND AND BUILDINGS PER ACRE: UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1981

	Year (1967 = 100)										
	1950	1960	1970	1974	1975	1976	1977	1978	1979	1980	1981
United States*	40	68	117	187	213	242	283	308	352	410	448
NORTH DAKOTA	40	69	120	193	265	310	349	369	414	476	504
South Dakota	49	74	112	172	214	241	287	336	384	403	429
Montana	35	71	124	203	237	278	321	355	396	455	474
Wyoming	37	62	116	191	218	254	273	285	322	343	367
Nebraska	46	69	115	183	215	271	307	275	336	421	463
Minnesota	47	80	118	186	242	294	369	413	482	569	660

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years; and U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Real Estate Market Developments.

* Excludes Alaska and Hawaii, and for 1973, Florida.

TABLE 8.28

TAXES LEVIED ON FARM REAL ESTATE, NORTH DAKOTA, SELECTED YEARS, 1925-1980

Year	Total Taxes (Million Dollars)	Amount Per Acre (Dollars)	Amount Per $100 Full Value (Dollars)
1925	$12.8	$ .37	$1.30
1930	14.5	.38	1.70
1935	8.9	.23	1.31
1940	8.4	.22	1.70
1945	9.5	.25	1.12
1950	17.0	.43	1.45
1955	20.1	.50	1.35
1956	18.3	.46	1.32
1957	19.9	.50	1.31
1958	19.9	.50	1.21
1959	24.2	.61	1.16
1960	25.7	.65	1.18
1961	27.4	.69	1.22
1962	29.1	.73	1.24
1963	30.1	.75	1.21
1964	31.6	.78	1.19
1965	34.2	.84	1.19
1966	35.0	.87	1.14
1967	36.5	.90	1.11
1968	38.4	.95	1.09
1969	43.5	1.08	1.17
1970	47.6	1.18	1.21
1971	49.4	1.22	1.24
1972	52.2	1.27	1.23
1973	51.5	1.27	1.12
1974	53.1	1.32	.87
1975	60.3	1.50	.74
1976	63.5	1.58	.65
1977	70.1	1.74	.62
1978	71.7	1.78	.58
1979	74.3	1.85	.51
1980	80.4	2.00	.48

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Real Estate Taxes.

TABLE 8.30

ESTIMATED FARM TITLE TRANSFERS PER 1,000 OF ALL FARMS BY METHOD OF TRANSFER, NORTH DAKOTA, SELECTED YEARS, 1930-1981

Year[a]	Method of Transfer					
	Voluntary Sales	Forced Sales		Estate Settlement	All Other Sales[d]	Total All Classes
		Fore-closures[b]	Tax Sales[c]			
1930	26.5	30.1	12.2	---	13.6	82.4
1935	14.0	18.9	6.0	---	17.7	56.6
1940	26.3	33.1	16.3	---	12.6	88.3
1945	68.3	6.3	3.8	---	12.8	91.2
1950	36.4	1.1	(f)	---	(f)	47.2
1955	20.0	1.0	----	---	10.6	31.6
1960	24.0	1.5	.3	---	14.4	40.2
1965	17.9	1.4	.3	---	12.2	31.8
1966	19.5	1.4	1.1	---	12.6	34.6
1967	22.9	.3	.3	---	11.2	34.7
1968	25.2	.6	(f)	---	11.2	37.0
1969	19.4	.9	.5	---	13.0	33.8
1970	21.1	.4	(f)	---	13.3	34.8
1971	17.6	1.2	----	6.3	7.8	32.9
1972	23.6	1.6	----	5.9	6.2	37.3
1973	26.3	.3	----	7.2	3.1	36.9
1974	24.0	.3	---	7.2	2.8	34.3
1975	20.8	(e)	----	5.0	4.7	30.5
1976	20.2	1.0	----	5.3	5.3	31.9
1977	15.1	1.4	----	6.6	8.2	31.3
1978	13.1	1.8	----	5.4	6.8	27.0
1979	17.2	1.2	----	3.9	5.2	27.5
1980	19.2	1.2	----	5.0	4.1	29.5
1981	10.4	1.7	----	5.5	5.1	22.9

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[a] Years ending March 1, 1930-1975 and February 1, 1976-1978.

[b] Includes loss of title by default of contract, sales to avoid foreclosure, surrender to title, and other transfers to avoid foreclosure.

[c] Included in "all other sales" after 1970.

[d] Includes sale resulting from inheritance and gifts and other unclassified and miscellaneous sales.

[e] Not available, included in "all other sales."

[f] None reported.

TABLE 8.23

VALUE OF EXPORT SHARES OF AGRICULTURAL COMMODITIES, NORTH DAKOTA* (Millions of Dollars)

Commodity or Group	1978		1979		1980		1981	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
Wheat & Flour	$420.2	10.2%	$656.8	13.5%	$873.2	13.2%	$552.6	6.9%
Feed Grains & Products	39.5	.7	31.9	.5	67.8	.7	63.7	.6
Sunflower Seeds & Oil	135.8	60.1	249.2	67.0	347.4	62.5	363.6	57.7
Soybeans & Products	12.7	.2	19.1	.3	21.1	.2	15.7	.2
Vegetables & Preparations	13.5	2.1	12.3	1.6	18.2	1.9	52.7	3.6
Dairy Products	1.2	.8	.8	.7	1.0	.6	2.1	.9
Animals and Meat (excludes Poultry)	9.4	1.4	11.4	1.4	15.8	1.5	17.3	1.5
Hides & Skins	11.7	1.4	17.1	1.3	15.1	1.4	13.5	1.3
Poultry Products	.3	.1	.3	.1	.4	.1	.5	.1
Fats, Oils & Greases	10.6	1.8	12.0	1.7	15.3	2.0	14.3	1.9
Other	47.7	2.6	73.6	3.4	59.6	2.5	47.7	1.6
Total	702.6	2.6	1,084.5	3.4	1,434.9	3.5	1,143.7	2.6

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* State export shares are based on North Dakota's portion of United States production or farm sales of individual commodities. No attempt was made to trace actual commodity shipments.

TABLE 8.26

FARMS AND CROPLAND RENTING FOR CASH: GROSS RENT PER ACRE AND RATIO OF GROSS RENT TO VALUE, NORTH DAKOTA, 1970-1982

	Farms		Cropland		Pasture	
Year	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)
1970	$ 8.49	9.0%	$11.20	9.3%	$----	---%
1971	8.51	8.9	10.90	9.2	3.80	6.2
1972	8.66	8.6	11.10	9.1	4.00	6.2
1973	9.70	8.8	11.50	8.6	4.70	6.6
1974	13.40	9.0	17.40	8.9	6.20	6.3
1975	15.10	7.5	20.30	8.1	7.10	5.7
1976	19.90	7.3	25.00	7.7	7.20	5.5
1977	20.10	6.7	25.20	7.0	7.60	5.0
1978	19.70	6.5	24.70	6.6	7.40	4.8
1979	22.40	6.2	27.80	6.4	7.80	4.4
1980	24.10	6.0	30.40	6.4	8.70	4.6
1981	25.50	5.9	31.60	6.1	9.10	4.3
1982	27.30	5.8	32.90	6.1	9.20	4.4

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.27

FARM REAL ESTATE DEBT: AMOUNT OF OUTSTANDING LOANS REPORTED BY PRINCIPAL LENDERS, OTHER DEBT, AND TOTAL DEBT, NORTH DAKOTA, JANUARY 1, SELECTED YEARS, 1940-1981 (Thousands of Dollars)

Year	Federal Land Banks	Federal Farm* Mortgage Corp.	Farmers** Home Admin.	Life Insurance Companies	All Operating Banks	Individuals & Others	Total Farm Real Estate Debt
1940	$ 64,053	$29,755	$ 304	$ 6,572	$-------	$ 40,546	$ 141,230
1945	35,776	11,151	2,344	11,865	727	29,598	91,461
1950	12,274	2,938	2,516	9,696	3,151	38,533	69,108
1955	19,601	946	4,508	11,231	6,325	54,494	97,105
1960	36,889		35,806	12,455	21,603	55,160	161,913
1965	84,615		68,050	20,137	34,332	100,142	307,276
1966	99,504		79,334	22,160	37,061	111,546	349,605
1967	113,777		88,151	25,520	39,377	118,146	384,971
1968	127,513		97,783	26,500	43,522	137,707	433,025
1969	139,305		108,971	26,900	47,399	163,468	486,043
1970	146,665		120,955	26,100	50,431	176,140	520,291
1971	154,187		129,495	24,400	53,670	182,975	544,727
1972	174,715		138,761	23,300	60,020	191,804	588,600
1973	192,854		153,845	22,900	59,496	216,087	645,182
1974	213,916		163,521	22,100	62,800	255,937	718,274
1975	247,316		169,325	20,700	59,785	252,880	750,006
1976	295,751		175,166	21,300	64,717	251,710	808,644
1977	381,916		179,959	23,700	71,589	261,753	918,917
1978	493,671		185,574	45,400	67,730	266,401	1,053,520
1979	574,823		182,480	60,100	89,951	273,553	1,180,907
1980	716,781		248,537	67,300	93,151	304,616	1,430,385
1981	924,061		263,479	68,400	222,310	329,498	1,807,748

SOURCE: U.S. Dept. of Agriculture, Economics, Statsitics and Cooperatives Service, Agricultural Finance Statistics and Statistical Reporting Service, Farm Real Estate Market Developments.

* Starting in 1956, Federal Land Banks and Federal Farm Mortgage Corporated are combined.

** Starting in 1960, FHA includes both direct and insured loans. Before 1960, FHA insured loans were included in totals of all operating banks and individuals and others.

TABLE 8.29

TAXES LEVIED ON FARM REAL ESTATE, UNITED STATES AND NORTH CENTRAL STATES, 1975, 1976 AND 1979

	Taxes Levied on Farm Real Estate (Millions of Dollars)			Taxes Per Acre						Taxes Per $100 of Full Value		
				Amount			Index (1967 = 100)					
	1975	1976	1979	1975	1976	1979	1975	1976	1979	1975	1976	1979
U.S.	2,854.7	3,098.4	3,232.5	2.92	3.17	3.57	166	180	203	0.78	0.74	0.60
N.D.	58.5	61.4	74.3	1.50	1.58	1.85	167	175	204	0.74	0.66	0.58
S.D.	63.3	64.3	91.7	1.65	1.67	2.37	178	181	256	1.04	0.94	0.83
Neb.	134.2	153.3	197.7	2.88	3.29	4.44	181	207	278	1.00	0.91	0.96
Mont.	42.2	43.2	53.8	0.82	0.84	1.07	158	162	207	0.69	0.61	0.56
Wyo.	11.4	12.2	14.6	0.45	0.43	0.59	140	149	183	0.47	0.43	0.43
Minn.	115.6	131.9	125.7	3.79	4.32	4.56	143	164	173	0.87	0.82	0.53
Ill.	270.9	294.4	363.3	9.34	10.15	12.61	168	183	227	1.09	0.95	0.71
Ind.	87.7	88.0	110.7	5.03	5.09	6.66	124	125	164	0.69	0.57	0.44
Iowa	218.3	258.1	294.6	6.40	7.57	8.96	154	183	216	0.88	0.83	0.61
Kans.	117.2	122.8	123.9	2.36	2.50	2.62	140	148	155	0.78	0.75	0.60
Mich.	105.2	121.3	146.3	8.51	9.90	14.71	252	293	435	1.51	1.61	1.54
Mo.	76.2	83.5	85.7	2.34	2.56	2.89	165	181	205	0.59	0.57	0.43
Ohio	100.3	111.8	125.8	5.79	6.49	8.27	176	197	251	0.81	0.75	0.55
Wis.	135.7	149.7	187.1	6.98	7.78	10.98	193	215	304	1.58	1.56	1.36

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

TABLE 8.31

PRODUCTION OF PRINCIPAL CROPS BY NORTH DAKOTA COUNTY, 1981[1]

County	Corn (Grain) (000 bu.)	Durum (000 bu.)	All Wheat (000 bu.)	Oats (000 bu.)	Barley (000 bu.)	Rye (000 bu.)
Adams	----	494.0	2,569.5	204.0	70.0	11.9
Barnes	1,167.0	2,240.0	10,605.0	1,378.0	6,950.0	63.0
Benson	306.2	7,466.0	8,752.4	620.0	1,714.0	30.0
Billings	----	40.0	530.4	97.0	24.0	4.0
Bottineau	33.0	7,629.0	10,450.8	669.0	3,808.0	278.9
Bowman	----	726.0	1,890.0	304.0	153.0	6.0
Burke	----	2,507.0	4,958.6	429.0	409.0	16.9
Burleigh	178.5	483.0	4,633.4	1,011.0	320.0	27.8
Cass	5,726.6	2,773.0	13,832.5	1,322.0	12,697.0	89.5
Cavalier	29.4	7,109.0	12,846.3	182.0	7,608.0	5.8
Dickey	2,551.4	931.0	3,332.8	1,236.0	1,485.0	73.0
Divide	----	6,132.0	7,067.2	393.0	343.0	2.4
Dunn	1.8	173.0	2,654.0	696.0	221.0	2.1
Eddy	193.1	1,031.0	2,777.0	583.0	418.0	49.7
Emmons	493.9	676.0	5,077.4	1,962.0	195.0	30.4
Foster	470.9	1,469.0	4,963.0	642.0	556.0	53.8
Golden Valley	3.9	910.0	1,888.3	250.0	153.0	1.9
Grand Forks	1,507.6	1,051.0	11,269.0	797.0	9,342.0	11.5
Grant	256.3	368.0	3,244.8	1,040.0	247.0	39.1
Griggs	182.0	1,105.0	4,604.9	686.0	2,574.0	4.6
Hettinger	----	800.0	5,459.6	410.0	323.0	31.4
Kidder	642.5	1,001.0	3,209.0	1,484.0	386.0	55.4
LaMoure	945.6	1,656.0	5,678.0	1,194.0	1,240.0	166.0
Logan	126.4	624.0	3,371.0	1,154.0	259.0	22.7
McHenry	290.9	2,442.0	7,132.2	1,874.0	1,400.0	304.2
McIntosh	88.0	456.0	3,810.0	1,383.0	273.0	284.7
McKenzie	84.0	1,204.0	4,508.0	588.0	409.0	11.0
McLean	120.1	7,229.0	10,891.0	1,215.0	655.0	44.8
Mercer	49.6	348.0	2,720.0	994.0	109.0	9.2
Morton	90.2	127.0	3,544.2	1,365.0	731.0	26.1

TABLE 8.31--Continued

County	Corn (Grain) (000 bu.)	Durum (000 bu.)	All Wheat (000 bu.)	Oats (000 bu.)	Barley (000 bu.)	Rye (000 bu.)
Mountrail	25.2	6,939.0	7,901.5	679.0	376.0	39.9
Nelson	257.0	4,835.0	8,656.0	501.0	2,752.0	7.7
Oliver	6.0	146.0	1,427.0	756.0	297.0	2.5
Pembina	1,132.2	576.0	10,421.0	134.0	3,839.0	17.3
Pierce	57.1	3,016.0	5,476.1	1,252.0	424.0	108.3
Ramsey	93.8	7,388.0	9,537.6	210.0	1,364.0	2.8
Ransom	4,583.8	241.0	3,733.7	1,156.0	754.0	37.4
Renville	30.0	3,218.0	6,703.9	955.0	523.0	30.6
Richland	13,745.1	994.0	8,681.5	1,885.0	1,800.0	50.3
Rolette	14.3	4,347.0	4,657.5	572.0	890.0	46.6
Sargent	2,678.3	928.0	4,441.0	1,392.0	958.0	100.7
Sheridan	37.5	708.0	4,663.0	829.0	199.0	38.8
Sioux	----	216.0	845.2	348.0	8.0	8.1
Slope	----	728.0	2,618.2	253.0	45.0	17.3
Stark	----	397.0	3,545.5	853.0	62.0	25.1
Steele	608.9	745.0	5,953.0	274.0	2,274.0	9.2
Stutsman	863.6	4,087.0	13,510.0	1,786.0	376.0	86.3
Towner	30.0	7,992.0	8,635.1	131.0	1,813.0	2.8
Traill	411.1	1,012.0	7,195.6	468.0	4,627.0	3.0
Walsh	739.5	3,229.0	12,345.0	458.0	1,818.0	11.5
Ward	263.9	9,116.0	13,398.3	1,741.0	527.0	83.5
Wells	436.8	3,599.0	8,520.0	619.0	742.0	22.8
Williams	----	5,133.0	10,626.0	746.0	82.0	49.7
NORTH DAKOTA	41,553.0	130,790.0	331,700.0	44,160.0	105,600.0	2,560.0

TABLE 8.31--Continued

County	Flaxseed (000 bu.)	Potatoes (cwt.)	Sugar Beets (tons)	Soybeans (000 bu.)	Sunflowers (000 lbs.)	All Hay (tons)
Adams	4.6	----	----	----	11,830	65.6
Barnes	210.7	----	----	19.6	197,460	80.2
Benson	181.5	----	----	----	122,010	102.8
Billings	1.7	----	----	----	2,910	43.3
Bottineau	239.4	----	----	2.4	115,800	110.7
Bowman	1.6	----	----	----	5,190	67.4
Burke	17.2	----	----	----	15,580	42.3
Burleigh	77.7	----	----	----	22,670	190.8
Cass	100.5	----	322,200	2,484.0	152,110	65.7
Cavalier	235.5	----	----	----	50,040	29.2
Dickey	59.6	----	----	10.5	94,770	124.0
Divide	6.0	----	----	----	20,570	37.9
Dunn	1.9	----	----	----	4,900	124.2
Eddy	61.3	----	----	10.8	68,670	79.4
Emmons	60.4	----	----	----	11,280	186.8
Foster	56.3	----	----	5.7	107,240	52.2
Golden Valley	.8	----	----	----	2,020	45.5
Grand Forks	40.6	4,744,000	221,200	282.0	102,700	46.8
Grant	5.3	----	----	----	19,320	137.9
Griggs	84.9	----	----	13.8	70,010	65.9
Hettinger	11.0	----	----	----	46,910	55.7
Kidder	91.2	----	----	----	18,850	210.1
LaMoure	240.2	----	----	----	125,220	84.2
Logan	114.9	----	----	----	14,610	185.3
McHenry	112.5	----	----	----	91,220	261.1
McIntosh	244.9	----	----	----	21,410	151.8
McKenzie	1.1	----	123,900	----	3,820	101.6
McLean	121.4	----	----	----	69,250	151.9
Mercer	18.5	----	----	----	4,960	99.8
Morton	12.4	----	----	----	12,830	212.7

TABLE 8.31--Continued

County	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay
	(000 bu.)	(cwt.)	(tons)	(000 bu.)	(000 lbs.)	(tons)
Mountrail	7.6	----	----	----	16,200	107.5
Nelson	202.8	----	----	----	89,090	45.3
Oliver	26.1	----	----	----	3,720	81.5
Pembina	29.8	4,888,000	482,500	203.4	40,880	27.8
Pierce	178.5	----	----	----	76,960	90.9
Ramsey	255.4	----	----	----	100,070	34.2
Ransom	35.7	----	----	115.1	74,700	78.4
Renville	49.6	----	----	----	32,170	20.8
Richland	62.1	----	376,100	2,266.2	98,730	72.5
Rolette	55.9	----	----	----	38,410	67.5
Sargent	69.5	----	----	63.8	72.060	58.8
Sheridan	90.7	----	----	----	42,350	59.9
Sioux	2.4	----	----	----	1,000	69.3
Slope	.9	----	----	----	5,160	40.0
Stark	3.9	----	----	----	5,880	86.0
Steele	47.8	----	----	115.5	76,100	21.8
Stutsman	192.2	----	----	15.2	276,850	186.6
Towner	170.8	382,000	----	----	51,370	44.6
Traill	31.4	910,000	511,100	782.7	55,370	37.1
Walsh	99.6	8,992,000	553,700	94.3	61,150	59.1
Ward	116.7	----	----	----	106,520	114.9
Wells	98.3	----	----	1.8	218,100	77.1
Williams	6.7	----	56,400	----	9,160	66.6
NORTH DAKOTA	4,250.0	20,125,000[2]	2,652,000[3]	6,440.0[4]	3,158,160	4,761.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1982.

[1] Preliminary. [2] State total includes 209,000 cwt. produced in all other counties.

[3] State total includes 4,900 tons produced in all other counties.

[4] State total includes 7,200 bushels produced in all other counties.

TABLE 8.32

CORN (GRAIN) PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	10.5	9.3	7.0	5.7	----	16.0	----	----
Barnes	87.4	87.3	37.7	341.7	377.4	342.0	217.6	1,167.0
Benson	3.7	10.0	5.6	49.4	108.0	96.0	77.5	306.2
Billings	----	4.4	----	3.2	----	----	----	----
Bottineau	----	5.2	6.0	5.9	----	42.0	3.0	33.0
Bowman	----	3.2	----	3.0	----	10.5	----	----
Burke	3.8	----	----	----	----	----	----	----
Burleigh	29.0	53.1	45.0	123.2	99.0	306.0	52.0	178.5
Cass	519.9	593.0	788.9	2,108.0	2,314.8	3,096.0	2,802.8	5,726.6
Cavalier	4.3	8.7	12.0	14.8	3.0	----	----	29.4
Dickey	334.3	596.3	299.6	1,393.2	2,197.0	2,233.0	1,087.1	2,551.4
Divide	14.8	10.0	----	----	----	----	2.0	----
Dunn	22.8	16.5	8.8	7.9	5.0	20.0	----	1.8
Eddy	----	3.0	----	14.8	9.7	10.0	22.3	193.1
Emmons	54.0	81.3	11.0	63.2	132.3	280.8	4.0	493.9
Foster	3.9	3.0	----	45.0	45.0	75.0	12.0	470.9
Golden Valley	----	8.2	11.4	5.5	48.0	48.0	40.0	3.9
Grand Forks	162.4	72.7	64.7	158.8	275.5	525.0	195.5	1,507.8
Grant	70.4	57.5	53.6	63.7	90.0	154.0	15.4	256.3
Griggs	4.1	6.0	----	5.0	11.0	36.0	122.9	182.0
Hettinger	2.8	3.5	----	5.7	----	13.5	----	----
Kidder	6.0	60.7	49.4	176.0	279.0	360.5	162.0	642.5
LaMoure	130.2	124.1	79.1	499.2	21.7	840.0	231.3	945.6
Logan	16.0	4.3	2.4	23.7	----	80.0	24.6	126.4
McHenry	7.0	6.0	12.0	74.2	60.0	65.0	7.0	290.9
McIntosh	15.0	4.2	2.4	7.9	18.8	91.0	6.2	88.0
McKenzie	11.4	24.0	4.6	----	12.0	25.0	7.2	84.0
McLean	7.8	15.0	2.6	7.4	40.0	80.0	15.0	120.1
Mercer	66.5	24.0	15.0	14.8	14.0	8.0	----	49.6
Morton	27.9	49.5	57.5	11.9	77.9	57.0	13.2	90.2

TABLE 8.32--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	----	----	----	4.9	----	----	----	25.2
Nelson	3.5	----	----	----	13.0	78.0	40.0	257.0
Oliver	12.0	10.5	8.0	11.9	----	10.0	2.0	6.0
Pembina	5.0	4.0	----	----	84.5	75.0	104.0	1,132.2
Pierce	7.0	27.0	8.7	24.2	7.8	5.0	6.0	57.1
Ramsey	----	----	----	----	----	----	----	93.8
Ransom	343.1	1,031.3	930.8	2,693.2	2,828.2	3,272.5	1,674.7	4,583.8
Renville	----	15.0	----	9.9	5.0	----	----	30.0
Richland	3,779.3	3,021.2	4,168.9	6,989.6	8,171.9	8,487.9	7,657.8	13,745.1
Rolette	8.0	11.0	4.0	14.8	5.4	----	----	14.3
Sargent	47[illegible].2	1,022.0	896.3	2,126.5	1,972.8	2,242.0	1,561.1	2,678.3
Sheridan	2.8	----	----	3.5	7.0	----	----	37.5
Sioux	15.0	10.2	4.0	3.0	3.3	16.0	----	----
Slope	2.9	2.0	----	4.9	----	----	----	----
Stark	9.6	----	----	8.9	----	----	11.4	----
Steele	4.2	2.5	----	10.0	12.0	120.0	217.9	608.9
Stutsman	18.5	11.1	17.9	62.3	72.0	246.0	55.0	863.6
Towner	----	----	----	----	----	12.0	27.0	30.0
Traill	43.2	10.4	15.6	39.6	16.0	135.0	180.5	411.1
Walsh	5.2	----	3.5	29.3	52.2	48.0	90.0	739.5
Ward	7.8	----	----	19.8	24.3	12.0	12.0	263.9
Wells	8.2	4.0	----	6.9	63.6	101.8	60.0	436.8
Williams	6.6	13.8	6.0	5.0	2.6	16.5	----	----
NORTH DAKOTA	6,375.0	7,140.0	7,640.0	17,301.0	19,987.0	17,246.4	16,820.0	41,553.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.33

TOTAL WHEAT PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	1,790.7	2,449.0	2,828.6	2,266.3	3,082.2	2,248.3	719.2	2,509.5
Barnes	4,669.2	8,330.1	8,362.1	7,347.9	8,025.1	8,675.5	5,294.0	10,605.0
Benson	4,479.0	7,486.5	7,906.2	4,390.5	6,814.3	6,358.0	5,063.8	8,752.4
Billings	510.8	577.0	799.9	758.6	1,032.1	847.7	151.0	530.4
Bottineau	5,875.5	7,671.2	8,478.9	6,797.9	9,138.8	5,751.8	6,374.6	10,450.8
Bowman	1,603.5	2,349.4	3,157.1	2,391.9	3,043.2	2,271.7	937.8	1,890.0
Burke	3,393.8	4,212.3	4,810.1	4,559.5	5,569.7	3,254.0	4,153.1	4,958.6
Burleigh	1,392.1	3,889.9	3,367.8	1,296.5	4,247.8	3,141.6	1,108.8	4,6[illegible].4
Cass	5,069.6	8,807.9	16,536.8	11,004.2	10,890.0	10,946.5	10,697.9	13,832.5
Cavalier	5,340.0	9,081.8	9,178.3	10,246.9	9,593.8	11,932.0	9,624.0	12,846.3
Dickey	950.4	3,227.9	3,062.6	3,358.7	3,230.4	3,36[illegible].0	2,593.0	3,332.8
Divide	4,485.1	5,484.5	7,477.0	5,514.1	6,859.3	5,614.0	5,631.5	7,067.2
Dunn	1,882.5	2,272.2	3,083.6	2,641.6	3,770.3	2,827.5	738.6	2,654.0
Eddy	1,190.2	2,033.5	1,927.6	1,383.4	1,934.3	1,804.0	2,279.0	2,777.0
Emmons	1,583.0	4,178.2	2,134.2	2,305.9	4,355.7	3,520.0	839.6	5,077.4
Foster	1,732.8	3,258.6	3,974.9	2,240.7	2,642.5	3,161.0	2,339.0	4,963.0
Golden Valley	1,399.5	2,404.8	2,245.3	1,846.3	2,308.5	1,854.8	482.0	1,888.3
Grand Forks	5,564.6	10,640.0	10,227.4	8,304.6	8,141.6	8,343.8	5,169.0	11,267.0
Grant	1,680.0	2,410.5	3,367.4	2,444.9	2,771.5	2,205.4	1,054.4	3,244.8
Griggs	1,892.6	3,488.1	3,071.9	3,081.6	3,398.5	3,225.0	2,487.0	4,604.9
Hettinger	3,427.6	5,004.8	6,127.2	5,364.6	5,946.0	5,064.9	1,679.0	5,459.6
Kidder	754.3	2,554.0	2,031.7	898.7	2,099.6	2,207.0	781.0	3,209.0
LaMoure	2,204.4	5,231.2	4,926.3	4,819.3	6,175.8	5,244.5	4,034.8	5,678.0
Logan	1,036.9	2,692.3	1,549.0	2,458.9	2,955.6	2,801.0	1,139.0	3,371.0
McHenry	3,115.4	4,849.0	5,512.0	3,660.0	6,137.0	5,081.0	3,677.0	7,132.2
McIntosh	1,098.0	2,915.1	1,899.4	2,205.3	3,052.7	2,744.5	868.8	3,810.0
McKenzie	2,715.3	3,860.6	4,677.2	3,330.0	5,248.9	3,837.5	1,262.2	4,508.0
McLean	6,111.6	10,370.7	9,562.4	8,871.3	12,049.7	8,708.0	5,947.7	10,891.0
Mercer	1,354.8	2,094.0	2,173.5	1,994.4	2,510.5	2,373.0	1,101.0	2,720.0
Morton	1,806.6	2,965.7	3,059.5	2,418.4	3,764.1	3,206.0	1,037.6	3,544.2

TABLE 8.33--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	4,939.1	5,994.8	6,553.5	5,977.4	8,400.9	5,145.5	5,331.0	7,901.5
Nelson	3,808.0	5,779.0	4,666.7	4,392.8	5,448.5	6,389.0	3,665.5	8,656.0
Oliver	652.0	1,132.5	1,800.9	714.8	1,246.5	1,409.0	528.0	1,427.0
Pembina	4,656.6	10,154.6	11,699.3	8,120.8	7,913.1	9,102.0	6,909.1	10,421.0
Pierce	2,583.2	3,994.3	4,537.2	2,419.6	4,321.3	3,401.3	2,611.2	5,476.1
Ramsey	5,098.5	8,193.8	8,582.5	6,560.4	7,805.9	8,213.0	5,817.9	9,537.6
Ransom	1,135.2	2,037.5	2,825.6	2,313.5	2,605.0	2,811.5	2,097.0	3,733.7
Renville	3,314.6	4,889.1	5,166.0	4,844.6	5,767.8	3,923.9	3,611.4	6,703.9
Richland	2,120.7	3,914.2	6,300.2	5,809.6	5,238.8	5,231.5	6,252.4	8,681.5
Rolette	2,251.0	3,225.5	3,732.7	3,199.6	3,923.4	3,493.7	2,693.4	4,657.5
Sargent	1,243.1	2,675.1	2,587.8	3,037.5	2,503.1	2,648.0	3,555.0	4,441.0
Sheridan	2,250.1	3,705.1	3,682.2	1,727.0	3,950.9	3,378.0	2,058.0	4,663.0
Sioux	299.0	778.3	651.9	693.8	978.6	672.5	273.3	845.2
Slope	1,421.1	2,685.8	3,110.4	1,707.8	2,600.8	2,075.4	665.0	2,618.2
Stark	2,630.8	3,883.5	5,016.4	3,137.4	4,440.5	4,073.4	1,695.0	3,545.5
Steele	2,471.4	5,081.8	4,942.3	4,667.3	4,176.5	4,274.0	3,221.6	5,953.0
Stutsman	5,031.5	10,684.5	9,779.0	8,928.0	10,363.3	9,537.0	5,835.0	13,510.0
Towner	4,806.0	6,937.2	7,596.4	5,820.9	6,343.3	6,701.0	4,927.0	8,635.1
Traill	2,632.8	6,379.0	7,422.2	5,659.9	6,047.8	5,633.0	5,209.0	7,195.6
Walsh	6,335.5	10,097.1	10,017.0	8,302.3	8,619.1	9,381.2	5,882.5	12,345.0
Ward	6,813.9	9,660.3	12,280.1	9,072.0	13,221.7	8,761.0	6,644.8	13,398.3
Wells	4,537.4	7,370.4	7,578.1	5,053.0	9,530.2	6,031.0	5,604.3	8,520.0
Williams	5,422.7	8,347.8	9,785.7	7,544.1	9,736.9	7,349.1	5,297.2	10,626.0
NORTH DAKOTA	156,564.0	264,392.0	287,830.0	229,907.0	286,065.0	252,235.0	179,650.0	331,700.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.34

OATS PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	1,260.0	5,98.4	776.0	383.0	761.5	338.0	20.0	204.0
Barnes	4,815.0	1,637.7	1,799.5	2,377.2	1,217.2	912.0	343.0	1,378.0
Benson	1,558.0	703.2	720.6	520.0	697.0	236.0	305.0	620.0
Billings	564.0	234.6	337.3	309.0	466.6	306.0	23.0	97.0
Bottineau	3,542.0	363.9	729.1	1,979.5	705.8	276.0		669.0
Bowman	1,254.0	546.1	515.1	492.6	964.4	668.0	88.0	304.0
Burke	1,836.0	1,409.3	981.8	834.5	683.3	182.0	197.0	429.0
Burleigh	1,767.0	2,074.8	1,325.3	428.4	2,370.3	1,323.0	196.0	1,011.0
Cass	4,968.0	848.9	1,403.4	2,800.0	1,839.3	1,172.0	542.0	1,322.0
Cavalier	2,613.0	675.0	500.8	864.1	216.0	107.0	90.0	182.0
Dickey	2,432.0	1,562.0	959.0	2385.0	2,359.6	1,368.0	442.0	1,236.0
Divide	1,944.0	258.3	505.3	610.9	653.5	275.0	303.0	393.0
Dunn	1,935.0	1,594.8	1,499.5	872.3	1745.4	787.0	57.0	696.0
Eddy	1,443.0	701.1	552.1	636.1	576.7	478.0	363.0	583.0
Emmons	1,620.0	2,346.0	730.9	1,293.8	2,861.8	1,480.0	65.0	1,962.0
Foster	2,322.0	610.5	266.7	659.1	402.6	309.0	333.0	642.0
Golden Valley	533.0	638.6	543.0	419.6	300.3	100.0	39.0	250.0
Grand Forks	3,552.0	1,158.9	804.6	1,281.8	813.5	420.0	263.0	797.0
Grant	1,488.0	1,466.3	1,307.9	859.6	1,466.3	1,063.0	195.0	1,040.0
Griggs	2,365.0	771.6	534.7	752.2	330.6	504.0	236.0	686.0
Hettinger	1,600.0	545.4	565.9	873.5	771.5	663.0	82.0	410.0
Kidder	858.0	1564.3	778.0	509.9	1,886.3	1,164.0	196.0	1,484.0
LaMoure	3,315.0	2,510.1	1,342.6	2,381.2	2,236.7	1,700.0	477.0	1,194.0
Logan	936.0	1,394.9	653.3	1,398.8	1,395.1	1,010.0	154.0	1,154.0
McHenry	2,960.0	1,873.8	681.3	1,619.2	2,699.8	1,172.0	636.0	1,874.0
McIntosh	1,189.0	1,292.0	645.6	1,059.9	1,894.8	1,140.0	92.0	1,383.0
McKenzie	1,320.0	863.1	804.5	505.6	1,327.9	520.0	68.0	588.0
McLean	3,496.0	1,449.1	1,172.0	1,569.7	2,612.5	1,051.0	478.0	1,215.0
Mercer	1,312.0	1,063.6	865.7	715.7	1,322.3	851.0	110.0	994.0
Morton	2,052.0	2,276.1	1,916.2	843.9	2,573.8	1,593.0	147.0	1,365.0

TABLE 8.34--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	3,100.0	809.9	795.0	1,088.8	1,342.8	532.0	245.0	679.0
Nelson	3,350.0	981.6	534.1	853.6	439.6	307.0	132.0	501.0
Oliver	646.0	712.3	606.0	328.1	1,287.7	902.0	210.0	756.0
Pembina	2,310.0	689.2	418.8	634.2	246.2	104.0	69.0	134.0
Pierce	1,665.0	986.5	998.0	984.1	1,624.6	543.0	774.0	1,252.0
Ramsey	1,364.0	344.9	214.1	475.5	301.3	117.0	75.0	210.0
Ransom	2,773.0	941.5	839.2	2,120.2	1,842.7	1,280.0	554.0	1,156.0
Renville	1,632.0	916.0	1,347.1	1,422.9	1,188.2	438.0	373.0	955.0
Richland	7,714.0	697.2	710.5	4,050.0	2,786.5	1,747.0	1,120.0	1,885.0
Rolette	1,472.0	485.1	778.6	819.4	472.5	177.0	269.0	572.0
Sargent	3,050.0	1,506.9	854.7	2,040.8	1,509.3	840.0	761.0	1,392.0
Sheridan	1,512.0	924.5	761.8	396.5	1,054.7	686.0	178.0	829.0
Sioux	475.0	484.1	200.3	201.7	628.8	413.0	41.0	348.0
Slope	731.0	353.1	349.6	323.2	412.2	238.0	53.0	253.0
Stark	2,255.0	1,402.1	1,502.9	1,226.1	2,548.5	1,110.0	94.0	853.0
Steele	2,254.0	600.3	328.6	938.6	393.5	239.0	87.0	274.0
Stutsman	5,360.0	2,624.7	1,814.6	2,352.6	2,121.2	1,330.0	390.0	1,786.0
Towner	960.0	234.7	193.9	475.5	272.6	146.0	40.0	131.0
Traill	2,576.0	693.8	497.7	1,355.1	580.8	306.0	143.0	468.0
Walsh	2,928.0	1,069.3	655.6	1,052.0	448.4	219.0	151.0	458.0
Ward	3,600.0	1,836.3	1,737.7	2,929.9	2,524.0	1,472.0	532.0	1,741.0
Wells	2,420.0	997.2	657.9	819.1	663.8	255.0	200.0	619.0
Williams	3,060.0	846.4	861.6	918.8	1,026.9	391.0	184.0	746.0
NORTH DAKOTA	120,056.0	56,170.0	44,840.0	60,000.0	65,880.0	36,960.0	13,500.0	44,160.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.35

BARLEY PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981

(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	319.0	156.4	185.1	201.3	225.9	115.0	22.0	70.0
Barnes	3,597.0	4,246.8	4,398.4	5,556.8	6,262.2	4,330.0	3,091.0	6,950.0
Benson	1,855.0	2,489.2	2,893.6	1,761.2	2,227.3	1,715.0	697.0	1,714.0
Billings	66.0	89.0	58.7	63.6	78.3	33.0	17.0	24.0
Bottineau	1,746.0	2,269.9	2,093.5	3,224.4	2,640.6	2,170.0	1,768.0	3,808.0
Bowman	510.0	373.7	213.2	338.7	310.2	230.0	75.0	153.0
Burke	666.0	451.1	641.8	539.6	575.1	335.0	154.0	409.0
Burleigh	487.5	837.0	289.7	122.4	491.1	210.0	52.0	320.0
Cass	3840.0	4,279.8	7,365.5	8540.7	10,640.4	7,800.0	7,213.0	12,697.0
Cavalier	4,224.0	5,959.3	6,580.1	9,703.8	9,638.2	8,638.0	6,190.0	7,608.0
Dickey	1,224.0	1,766.4	829.4	1,862.6	2,091.4	1,090.0	606.0	1,485.0
Divide	903.0	211.7	451.9	386.7	370.4	185.0	75.0	343.0
Dunn	511.5	231.4	273.1	242.9	476.0	210.0	40.0	221.0
Eddy	507.5	376.3	441.3	469.3	523.6	224.0	161.0	418.0
Emmons	198.0	351.6	122.3	177.4	350.4	240.0	24.0	195.0
Foster	869.5	688.9	685.1	686.2	714.2	410.0	124.0	556.0
Golden Valley	468.0	165.8	238.9	246.5	436.2	109.0	78.0	153.0
Grand Forks	4,270.5	6,048.4	6,217.0	6,773.3	7,464.0	6,178.0	3,300.0	9,342.0
Grant	416.0	221.9	174.3	371.0	333.9	305.0	75.0	247.0
Griggs	1,083.0	2,130.9	1,969.8	1,769.7	2,045.2	1,170.0	655.0	2,574.0
Hettinger	735.0	273.5	478.3	699.2	415.7	236.0	56.0	323.0
Kidder	378.0	346.1	210.1	116.6	506.0	415.0	98.0	386.0
LaMoure	1,147.0	1,002.4	816.5	1,120.6	1,541.1	650.0	541.0	1,240.0
Logan	105.0	215.3	90.3	127.9	158.8	83.0	73.0	259.0
McHenry	666.5	806.9	566.3	667.1	774.0	1,210.0	416.0	1,400.0
McIntosh	225.0	257.5	142.7	268.2	419.0	275.0	70.0	273.0
McKenzie	962.5	336.7	207.9	344.3	667.5	300.0	77.0	409.0
McLean	790.5	366.8	484.4	614.3	737.0	410.0	119.0	655.0
Mercer	155.0	171.8	126.8	67.0	166.5	90.0	26.0	109.0
Morton	456.0	741.5	655.2	493.8	713.3	485.0	151.0	731.0

TABLE 8.35--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	645.0	167.4	216.5	491.4	330.1	295.0	169.0	376.0
Nelson	2,185.0	2,422.7	1,600.5	2,526.6	3,109.2	1,569.0	617.0	2,752.0
Oliver	162.5	166.8	205.3	143.0	345.2	300.0	146.0	297.0
Pembina	1,926.0	4,223.6	3,654.3	5,336.2	5,025.0	2,435.0	1,738.0	3,839.0
Pierce	930.0	1,090.8	7,172.7	1,066.8	1,124.9	1,085.0	424.0	1,446.0
Ramsey	3,010.0	3,396.8	3,738.2	4,441.0	4,628.1	2,350.0	1,364.0	2,687.0
Ransom	1,071.0	1,319.3	869.6	1,096.7	1,080.0	1,120.0	754.0	1,646.0
Renville	935.0	623.8	745.7	1,418.7	1,478.5	1,100.0	523.0	1,540.0
Richland	2,203.5	2,015.3	2,556.8	4,185.1	2,764.2	1,820.0	1,800.0	3,503.0
Rolette	1,083.0	1,497.9	1,878.1	2,169.2	1,788.1	1,720.0	890.0	1,742.0
Sargent	846.0	1,135.6	944.5	1,444.8	1,558.2	712.0	958.0	1,475.0
Sheridan	459.0	491.6	511.2	137.3	607.7	426.0	199.0	695.0
Sioux	72.0	87.7	101.9	38.8	82.7	45.0	8.0	36.0
Slope	336.0	202.7	146.5	232.4	212.2	3115.0	115.0	262.0
Stark	450.0	301.4	326.9	325.5	438.4	217.0	62.0	169.0
Steele	2,082.5	3,879.5	3,824.6	4,262.7	4,823.0	3,360.0	2,274.0	5,247.0
Stutsman	1,989.0	2,242.5	2,041.2	2,1335	1,762.8	850.0	376.0	1,772.0
Towner	1,980.0	2,958.5	3,515.1	4,819.2	4,392.8	2,990.0	1,813.0	2,649.0
Traill	2,112.0	4,263.0	5,296.9	6,084.5	7,540.4	6,060.0	4,627.0	9,568.0
Walsh	3,900.0	6,019.9	5,041.9	5,778.4	6,042.1	4,590.0	1,818.0	5,145.0
Ward	1,369.0	862.9	1,102.9	1,431.9	1,253.4	1,120.0	527.0	1,646.0
Wells	1,930.5	2,136.6	1,624.8	1,132.4	2,620.3	1,335.0	742.0	1,647.0
Williams	833.0	429.7	302.7	416.8	395.9	205.0	82.0	389.0
NORTH DAKOTA	65,892.0	79,800.0	81,320.0	98,670.0	112,700.0	75,900.0	48,000.0	105,600.0

SOURCE: North Dakota Crop and Livestock Reporting Serivce, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.36

RYE PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	60.0	44.2	64.9	33.3	39.7	86.4	20.3	11.9
Barnes	252.0	135.4	79.2	20.4	44.7	46.4	31.7	63.0
Benson	47.5	23.5	37.6	17.1	78.5	60.8	9.2	30.0
Billings	9.2	2.4	5.7	3.4	7.4	7.5	1.6	4.0
Bottineau	176.0	197.1	190.3	177.5	513.5	188.2	115.1	278.9
Bowman	40.5	2.0	8.9	3.4	36.4	30.6	6.4	6.0
Burke	130.5	31.4	23.6	19.2	118.7	39.8	23.1	16.9
Burleigh	10.4	18.2	25.6	23.6	54.9	23.0	3.0	27.8
Cass	108.5	47.1	68.5	32.6	45.1	219.1	153.8	89.5
Cavalier	15.5	29.1	12.2	6.5	8.9	15.1	2.9	5.8
Dickey	476.0	323.5	270.7	119.2	517.8	207.6	53.8	73.0
Divide	50.0	21.7	30.5	10.7	25.8	9.4	1.7	2.4
Dunn	18.0	5.8	1.3	8.6	10.4	6.3	1.4	2.1
Eddy	165.0	52.9	48.4	55.5	103.4	114.5	47.4	49.7
Emmons	54.0	34.1	9.0	16.6	44.6	17.9	2.0	30.4
Foster	112.0	44.0	112.7	28.9	312.7	181.4	87.9	53.8
Golden Valley	9.2	4.2	5.9	5.1	7.7	2.2	1.6	1.9
Grand Forks	26.0	60.4	41.7	82.6	56.3	44.6	8.6	11.5
Grant	34.0	38.3	39.7	63.5	44.6	31.5	4.0	39.1
Griggs	34.0	10.8	11.8	5.3	23.8	11.9	4.7	4.6
Hettinger	294.5	16.4	84.2	64.2	119.2	83.6	9.4	31.4
Kidder	52.0	37.2	42.0	49.3	191.5	54.2	20.6	55.4
LaMoure	647.5	247.0	212.5	169.8	849.0	343.8	62.2	166.0
Logan	37.5	60.9	23.2	23.6	18.0	29.5	13.5	22.7
McHenry	157.5	169.7	166.1	157.4	408.9	302.5	72.5	304.2
McIntosh	105.0	62.0	55.0	35.6	85.6	97.8	172.0	284.7
McKenzie	51.0	15.2	6.4	5.1	7.1	9.6	1.4	11.0
McLean	150.0	78.0	88.6	146.8	221.9	195.6	27.5	44.8
Mercer	5.4	1.8	1.2	---	2.3	4.2	1.4	9.2
Morton	8.4	8.0	5.7	5.8	35.7	2.6	1.0	26.1

TABLE 8.36--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	65.0	19.0	15.7	27.1	90.7	28.2	7.0	39.9
Nelson	14.0	8.5	2.3	6.5	8.3	5.7	1.4	7.7
Oliver	5.4	1.9	1.1	2.2	---	2.1	1.4	2.5
Pembina	42.0	43.5	54.9	102.5	90.7	84.5	16.5	17.3
Pierce	60.0	41.6	67.1	16.0	69.3	118.7	32.2	108.3
Ramsey	15.0	42.4	14.6	35.0	32.1	6.0	1.4	2.8
Ransom	144.0	231.7	136.2	43.2	181.0	187.7	45.6	37.4
Renville	121.5	49.6	48.3	49.2	214.2	69.7	12.1	30.6
Richland	225.0	75.8	112.0	59.3	113.8	133.9	50.1	50.3
Rolette	46.0	7.1	28.5	31.5	81.1	79.4	13.3	46.6
Sargent	272.0	156.0	120.7	78.5	194.1	233.9	116.8	100.7
Sheridan	18.0	25.0	11.8	6.4	60.5	42.0	54.4	38.8
Sioux	5.6	1.3	1.1	---	2.0	2.9	1.0	8.1
Slope	160.0	6.2	11.1	10.1	49.8	18.3	3.2	17.3
Stark	54.0	6.9	21.8	14.7	44.4	74.5	9.9	25.1
Steele	9.0	9.7	7.7	---	11.9	9.5	3.1	9.2
Stutsman	217.5	194.5	232.4	77.3	420.9	202.0	54.8	86.3
Towner	11.2	6.1	11.0	13.4	13.1	13.2	4.3	2.8
Traill	13.0	11.1	6.3	---	6.4	5.0	1.6	3.0
Walsh	8.7	5.1	2.6	---	5.6	14.8	4.0	11.5
Ward	117.0	17.1	15.0	41.2	190.6	171.1	29.8	83.5
Wells	96.0	101.5	91.5	31.5	308.4	179.5	35.7	22.8
Williams	192.0	90.6	44.2	25.8	132.0	49.8	8.7	49.7
NORTH DAKOTA	5,249.0	2,975.0	2,831.0	2,080.0	6,355.0	4,200.0	1,470.0	2,560.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.37

FLAXSEED PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	15.0	21.9	12.5	24.5	6.3	12.4	2.1	4.6
Barnes	556.5	304.6	174.0	343.3	169.0	221.5	125.8	210.7
Benson	708.0	309.7	132.5	191.5	107.5	178.4	84.1	181.5
Billings	5.5	2.7	---	18.4	3.5	3.1	3.1	1.7
Bottineau	744.0	261.4	214.1	625.2	288.9	424.7	235.9	239.4
Bowman	45.5	7.1	7.6	29.6	10.6	5.8	0.5	1.6
Burke	115.0	27.8	25.1	72.7	47.4	31.5	4.3	17.2
Burleigh	413.2	245.5	107.2	41.8	90.6	59.8	41.2	77.7
Cass	535.0	102.0	36.1	207.1	69.2	209.9	121.0	100.5
Cavalier	86.2	56.6	28.2	118.4	47.5	144.0	124.3	235.5
Dickey	624.8	324.9	135.1	279.4	153.0	216.2	115.5	59.6
Divide	71.5	3.2	2.0	73.9	43.6	15.0	3.0	6.0
Dunn	28.0	5.0	4.7	4.8	2.0	4.8	0.5	1.9
Eddy	362.2	163.5	54.7	94.0	48.3	43.3	56.4	61.3
Emmons	516.8	407.4	130.6	207.3	271.4	270.0	42.8	60.4
Foster	414.8	126.7	50.2	116.6	32.0	43.7	48.0	56.3
Golden Valley	12.0	2.1	---	5.4	1.2	1.1	---	0.8
Grand Forks	451.0	148.2	62.9	207.5	101.0	111.0	57.6	40.6
Grant	40.5	36.3	7.8	11.2	7.6	20.6	2.5	5.3
Griggs	588.0	242.7	87.3	212.2	84.8	88.9	55.5	84.9
Hettinger	47.2	32.6	29.3	55.3	12.5	29.3	6.0	11.0
Kidder	352.0	138.2	102.6	38.5	83.0	93.7	27.7	91.2
LaMoure	585.0	221.1	114.4	422.0	118.5	301.7	217.8	240.2
Logan	422.5	297.0	87.0	267.7	220.7	190.4	71.1	114.9
McHenry	477.8	231.8	159.7	209.8	185.4	189.3	87.5	112.5
McIntosh	627.2	554.8	255.6	279.7	329.5	413.8	155.2	244.9
McKenzie	81.0	7.6	8.4	13.9	8.9	4.7	0.5	1.1
McLean	748.0	239.7	144.4	147.6	179.7	209.6	79.6	121.4
Mercer	143.8	38.4	31.5	20.7	17.1	17.1	8.3	18.5
Morton	70.0	17.9	43.9	19.2	13.3	13.1	2.1	12.4

TABLE 8.37--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	138.0	169.6	69.2	33.0	16.8	18.9	5.1	7.6
Nelson	500.2	38.5	25.1	277.7	109.3	132.3	124.9	202.8
Oliver	85.0	109.4	108.3	30.7	72.0	30.5	19.9	26.1
Pembina	78.8	39.0	32.6	78.4	60.2	57.7	39.6	29.8
Pierce	486.0	320.7	136.1	188.7	194.8	223.8	66.6	178.5
Ramsey	275.0	172.5	44.0	208.8	76.9	208.4	97.3	255.4
Ransom	240.0	50.0	25.3	62.2	42.0	128.4	59.5	35.7
Renville	354.0	133.0	119.8	261.0	114.5	143.3	39.3	49.6
Richland	337.2	114.3	50.9	150.9	68.6	99.0	53.1	62.1
Rolette	93.5	64.9	177.9	79.3	51.6	87.4	24.5	55.9
Sargent	320.0	121.6	53.2	171.6	71.1	121.0	74.9	69.5
Sheridan	352.0	149.7	60.4	71.2	98.1	89.1	38.5	90.7
Sioux	28.5	9.3	10.8	4.4	0.7	4.4	0.5	2.4
Slope	11.5	9.2	6.9	6.9	3.1	3.6	---	0.9
Stark	46.0	4.6	7.1	8.2	6.0	3.4	0.4	3.9
Steele	460.0	291.8	101.9	244.9	114.8	86.6	49.5	47.8
Stutsman	551.0	326.6	145.5	321.4	141.1	248.3	125.8	192.2
Towner	99.0	51.5	48.7	113.1	92.7	144.9	57.4	170.8
Traill	556.5	117.6	43.1	133.8	65.5	89.9	31.3	31.4
Walsh	210.0	122.8	46.6	114.4	95.4	141.5	105.3	99.6
Ward	510.0	247.2	161.6	306.0	276.1	230.5	53.7	116.7
Wells	882.0	431.5	241.4	262.9	178.8	114.5	52.2	98.3
Williams	79.8	26.2	34.2	11.3	10.8	4.2	0.8	6.7
NORTH DAKOTA	16,440.0	7,700.0	4,000.0	7,500.0	4,715.0	5,980.0	2,900.0	4,250.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.38

POTATO PRODUCTION IN CWT. BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(000 omitted)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Grand Forks	4,483	5,442	4,718	5,950	6,232	4,375	3,245	4,744
Pembina	3,429	3,910	4,065	4,992	5,338	4,895	3,900	4,888
Towner	324	400	455	478	375	265	336	382
Traill	867	1,056	819	1,024	1,180	885	588	910
Walsh	8,019	6,359	6,412	8,618	8,596	7,435	7,462	8,922
Other Counties	427	432	470	538	679	385	149	209
NORTH DAKOTA	17,550	17,600	16,940	21,600	22,400	18,240	15,680	20,125

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.39

SUGAR BEET PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(In Tons)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Cass	138,200	186,800	214,500	360,400	423,500	312,300	268,900	322,200
Grand Forks	151,600	152,000	173,500	228,300	253,100	169,600	143,700	221,200
McKenzie	87,300	109,400	154,800	114,800	148,100	124,500	112,900	123,900
McLean	----	----	----	----	----	----	----	----
Oliver	4,000	----	----	----	----	----	----	----
Pembina	251,800	371,900	434,900	505,600	519,900	415,000	417,400	482,500
Richland	48,300	275,000	216,000	467,100	452,400	390,000	296,800	376,100
Traill	100,000	312,400	307,100	505,400	586,900	430,700	358,200	511,100
Walsh	244,400	345,200	431,400	526,600	595,200	393,500	361,400	553,700
Williams	36,600	51,900	74,800	55,800	67,800	60,900	53,500	56,400
Other Counties	7,800	15,400	15,000	5,000	7,100	7,500	4,200	4,900
NORTH DAKOTA	1,070,000	1,820,000	2,022,000	2,769,000	3,054,000	2,304,000	2,017,000	2,652,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary

TABLE 8.40

SOYBEAN PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Bushels)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Barnes	1.6	----	----	----	----	40.0	13.6	19.6
Benson	----	----	----	7.6	----	----	----	----
Cass	1,238.8	1,200.6	859.3	1,584.3	1,973.3	2,149.9	1,329.4	2,484.0
Dickey	1.2	----	----	7.4	----	26.1	14.8	----
Grand Forks	4.3	----	----	45.6	60.8	231.8	104.7	282.0
Griggs	1.1	----	----	----	----	17.0	9.0	13.8
LaMoure	----	----	----	6.3	----	36.5	6.9	10.5
Ransom	11.7	7.3	15.2	41.0	98.7	140.0	57.2	115.1
Richland	1,319.5	1,435.6	830.5	1,386.5	2,076.7	2,063.0	1,411.5	2,266.2
Sargent	28.5	37.3	9.2	49.0	32.9	140.2	78.7	63.8
Steele	1.2	----	----	----	46.8	91.0	31.8	115.5
Towner	----	----	----	10.6	----	14.6	6.9	----
Traill	85.8	206.2	104.8	302.2	430.2	468.0	313.0	728.7
Walsh	4.2	----	----	41.4	14.2	64.6	39.1	94.3
Other Counties	17.1	19.0	19.0	3.4	24.4	79.3	83.4	246.5
NORTH DAKOTA	2,715.0	2,906.0	1,838.0	3,500.0	4,758.0	5,562.0	3,500.0	6,440.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.41

SUNFLOWER PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Pounds)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	----	----	1,540	4,318	11,699	8,913	4,855	11,830
Barnes	3,848	82,820	71,300	130,491	172,181	171,935	143,909	197,460
Benson	----	----	2,820	33,265	75,654	76,750	69,590	122,010
Billings	----	----	----	----	----	411	1,649	2,910
Bottineau	----	----	90	62,007	74,071	70,724	47,508	115,800
Bowman	----	----	----	1,212	1,019	1,136	2,248	5,190
Burke	----	----	450	3,345	3,968	12,100	8,336	15,580
Burleigh	----	----	890	1,151	4,670	4,680	5,866	22,670
Cass	31,354	76,110	106,830	258,325	329,184	328,098	191,228	152,110
Cavalier	----	----	540	12,876	36,203	35,555	38,317	50,040
Dickey	----	8,450	10,150	25,579	42,232	41,237	87,707	94,770
Divide	----	----	90	4,141	6,301	15,075	12,580	20,570
Dunn	----	----	90	1,090	1,911	1,388	1,301	4,900
Eddy	----	19,440	15,420	42,846	54,568	50,496	55,034	68,670
Emmons	----	----	----	687	3,609	3,852	3,567	11,280
Foster	5,170	35,720	47,610	84,935	95,963	98,112	55,240	107,240
Golden Valley	----	----	1,050	71	2,031	2,028	1,470	2,020
Grand Forks	21,800	66,430	72,100	135,496	170,002	169,841	95,043	102,700
Grant	----	----	80	5,066	10,539	9,790	10,431	19,320
Griggs	470	10,030	7,210	32,921	65,004	65,125	43,348	70,010
Hettinger	----	----	----	8,999	14,369	16,177	20,706	46,910
Kidder	----	----	350	2,323	5,908	6,664	5,349	18,850
LaMoure	----	25,300	25,320	52,596	71,136	68,992	104,372	125,220
Logan	----	----	160	1,212	2,282	2,280	8,929	14,610
McHenry	----	----	200	4,327	25,829	19,751	31,285	91,220
McIntosh	----	----	200	3,485	19,678	17,874	9,030	21,410
McKenzie	----	----	210	727	2,040	2,263	1,601	3,820
McLean	----	----	1,100	6,545	12,751	11,946	32,779	69,250
Mercer	----	----	1,140	2,262	1,480	1,563	2,400	4,960
Morton	----	----	----	96	1,338	1,152	4,120	12,830

TABLE 8.41--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	----	----	----	2,044	13,614	9,976	10,245	16,200
Nelson	----	6,610	3,310	34,332	63,021	59,090	52,424	89,090
Oliver	----	----	----	303	286	285	1,801	3,720
Pembina	6,451	8,990	7,190	40,919	89,195	89,232	65,233	40,880
Pierce	----	----	----	2,050	4,968	18,060	25,772	76,960
Ramsey	----	----	1,530	24,800	47,430	43,560	66,221	100,070
Ransom	1,340	24,800	26,670	66,072	88,648	85,519	75,728	74,700
Renville	----	----	80	1,364	6,757	9,503	25,144	32,170
Richland	14,960	53,660	83,690	171,917	236,118	222,943	127,920	98,730
Rolette	----	----	120	4,491	7,373	7,345	16,408	38,410
Sargent	----	40,900	29,360	54,693	69,524	69,495	73,692	72,060
Sheridan	----	----	3,500	4,929	16,376	15,170	15,292	42,350
Sioux	----	----	160	152	504	699	1,921	1,000
Slope	----	----	----	429	3,493	3,500	2,287	5,160
Stark	----	----	----	1,339	2,382	4,500	3,348	5,880
Steele	3,797	24,110	7,240	38,819	84,660	82,546	65,053	76,100
Stutsman	520	12,420	15,140	75,720	160,187	166,875	160,103	296,850
Towner	----	----	2,310	9,544	12,864	17,741	32,147	51,370
Traill	18,680	19,630	27,530	61,289	114,042	113,796	71,027	55,370
Walsh	1,730	18,540	17,080	52,061	73,171	69,680	46,034	61,150
Ward	----	----	160	13,940	36,967	32,087	62,821	106,520
Wells	----	4,460	7,920	69,213	114,438	111,843	77,413	218,100
Williams	----	----	70	5,436	16,062	14,935	3,218	9,160
NORTH DAKOTA	112,460	547,800	600,000	1,658,250	2,579,700	2,545,080	2,181,050	3,158,160

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.42

ALL HAY PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981
(Thousands of Tons)

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	75.5	92.5	49.9	38.7	131.5	75.6	14.5	65.6
Barnes	88.6	114.9	67.9	80.5	105.3	110.8	55.2	80.2
Benson	75.5	103.8	90.4	52.6	107.5	115.4	63.4	102.8
Billings	56.9	40.3	30.7	29.0	72.0	38.9	11.3	43.3
Bottineau	75.1	65.8	69.6	56.9	108.5	97.4	48.4	110.7
Bowman	67.2	70.8	43.5	42.9	124.4	68.9	30.0	67.4
Burke	52.1	40.7	49.5	33.0	49.9	44.0	30.6	42.3
Burleigh	170.3	206.5	129.2	62.4	235.3	212.4	116.5	190.8
Cass	95.6	75.1	60.9	64.8	82.4	78.3	42.4	65.7
Cavalier	38.1	40.2	37.2	33.6	39.7	30.0	29.4	29.2
Dickey	124.6	158.6	93.1	94.2	193.2	157.7	71.1	124.0
Divide	37.6	41.1	59.8	38.3	63.2	54.5	27.3	37.9
Dunn	178.9	183.4	101.3	74.6	230.0	172.2	36.8	124.2
Eddy	63.1	75.8	43.9	42.2	71.5	85.8	58.0	79.4
Emmons	177.2	197.1	77.8	119.6	200.3	200.9	44.3	106.8
Foster	52.3	40.1	29.5	36.2	68.6	57.0	38.5	52.2
Golden Valley	33.3	41.9	35.3	12.5	66.1	39.4	10.7	45.5
Grand Forks	69.7	59.8	51.8	46.4	39.2	57.0	23.1	46.8
Grant	143.6	216.8	159.1	119.4	235.8	190.5	57.2	137.9
Griggs	48.3	55.1	35.3	39.7	68.4	81.4	50.2	65.9
Hettinger	74.1	91.1	73.5	52.4	121.1	78.7	21.9	55.7
Kidder	184.2	197.5	123.1	80.9	273.6	239.6	117.2	210.1
LaMoure	102.0	148.2	94.8	76.2	133.6	117.5	54.7	84.2
Logan	125.7	142.5	76.7	104.7	153.8	166.2	62.0	105.3
McHenry	171.9	205.4	217.5	159.7	313.9	298.0	149.0	261.1
McIntosh	130.6	166.4	77.2	81.4	197.3	153.7	48.6	151.8
McKenzie	102.5	122.5	100.9	63.0	196.6	138.0	44.0	101.6
McLean	131.5	112.6	132.9	88.5	189.0	179.9	78.7	151.9
Mercer	101.1	90.3	45.9	31.0	103.6	93.6	63.1	99.8
Morton	217.4	245.5	216.6	114.4	316.5	257.3	69.8	212.7

TABLE 8.42--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	106.6	84.6	108.0	73.9	133.1	144.1	63.2	107.5
Nelson	55.5	51.8	38.6	31.7	54.8	49.5	34.4	45.3
Oliver	104.5	96.0	75.6	41.5	124.7	106.8	42.2	81.5
Pembina	36.5	28.5	31.6	21.9	32.9	33.5	21.7	27.8
Pierce	83.4	70.3	95.1	71.4	109.4	107.9	50.8	90.9
Ramsey	30.5	36.3	22.8	18.9	36.4	31.1	24.5	34.2
Ransom	84.2	88.2	77.7	73.4	112.8	110.3	67.6	78.4
Renville	23.9	41.4	29.6	16.1	30.6	32.3	11.4	20.8
Richland	106.1	94.1	73.2	103.2	114.6	108.5	61.1	72.5
Rolette	51.8	69.2	68.3	59.5	95.9	93.6	47.4	67.5
Sargent	87.9	96.5	56.5	68.2	111.4	114.8	67.9	58.8
Sheridan	110.6	77.2	63.2	31.9	99.2	68.2	53.1	59.9
Sioux	56.0	63.7	30.4	19.0	107.0	77.7	14.5	69.3
Slope	50.6	70.7	31.9	22.8	60.9	45.6	9.9	40.0
Stark	144.7	174.2	131.2	95.2	174.0	130.1	36.2	86.0
Steele	21.9	31.4	23.8	26.0	28.7	33.4	14.6	21.8
Stutsman	192.6	241.8	176.2	201.2	253.2	217.9	120.6	186.6
Towner	26.0	30.8	30.5	14.7	29.4	25.6	22.0	44.6
Traill	42.5	26.2	23.9	36.5	39.4	42.3	19.6	37.1
Walsh	52.9	61.7	56.9	60.6	62.4	62.9	25.4	59.1
Ward	104.4	135.5	117.9	87.0	142.0	152.5	55.3	114.9
Wells	73.9	62.4	63.2	35.6	94.0	72.4	42.5	77.1
Williams	89.5	93.2	75.1	49.1	114.4	98.4	45.2	66.6
NORTH DAKOTA	4,801.0	5,268.0	3,976.0	3,229.0	6,453.0	5,650.0	2,519.0	4,761.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.43

MILK COWS ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1982

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Adams	1,200	1,100	1,100	1,100	1,000	700	700	500	400
Barnes	3,400	2,600	2,500	2,300	2,100	1,700	1,600	1,500	1,600
Benson	2,300	1,700	1,600	1,500	1,400	1,100	1,500	1,700	1,700
Billings	900	600	500	400	300	400	400	300	300
Bottineau	1,400	900	900	800	800	500	900	800	800
Bowman	800	500	500	500	500	500	400	400	300
Burke	700	600	700	700	600	500	700	600	600
Burleigh	3,600	2,700	2,500	2,400	2,100	2,900	2,500	2,500	2,500
Cass	2,500	1,700	1,700	1,600	1,400	1,000	1,000	1,100	1,100
Cavalier	1,500	700	600	600	500	400	400	300	300
Dickey	2,200	2,300	2,300	2,300	2,300	1,900	2,500	2,300	2,300
Divide	600	400	300	300	300	200	300	200	200
Dunn	3,600	2,700	2,800	2,700	2,700	2,200	1,700	1,900	2,000
Eddy	1,100	1,000	900	900	900	700	700	600	600
Emmons	7,400	6,400	5,800	5,300	5,300	5,800	5,900	6,100	6,000
Foster	1,100	1,000	800	700	600	500	700	500	500
Golden Valley	800	1,100	1,100	900	900	900	700	700	600
Grand Forks	1,600	1,300	1,200	1,100	1,300	1,100	900	1,000	1,000
Grant	5,000	4,300	4,200	4,000	4,100	4,300	3,700	3,800	3,700
Griggs	1,400	1,100	1,000	1,000	900	1,100	1,100	1,100	1,100
Hettinger	2,500	2,300	2,400	2,200	2,200	2,300	2,000	2,000	1,900
Kidder	4,100	3,500	3,600	3,500	3,300	3,300	2,800	3,000	2,900
LaMoure	4,900	4,600	4,500	4,400	4,300	4,000	3,900	3,600	3,700
Logan	5,600	4,500	4,600	4,400	4,200	4,100	3,700	3,700	3,800
McHenry	4,700	3,600	3,500	3,400	3,200	3,100	2,600	2,800	2,700
McIntosh	5,500	4,800	4,800	4,600	4,600	4,500	4,500	4,500	4,500
McKenzie	1,000	700	700	600	600	500	400	500	500
McLean	3,300	3,000	2,900	2,700	2,700	2,300	2,100	2,300	2,400
Mercer	4,300	2,600	2,400	2,400	2,300	1,500	1,400	1,600	1,600
Morton	8,200	8,500	8,500	8,600	8,600	8,400	7,700	7,600	7,600

TABLE 8.43--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Mountrail	1,900	1,800	1,800	1,800	1,500	1,300	1,200	1,400	1,500
Nelson	1,500	1,100	1,000	1,000	900	900	1,000	1,100	1,100
Oliver	2,800	2,400	2,200	2,000	2,100	2,400	2,100	2,200	2,200
Pembina	800	500	500	400	400	200	200	200	200
Pierce	3,400	3,000	3,300	3,000	2,700	2,800	2,500	2,500	2,500
Ramsey	1,300	800	600	500	600	400	500	400	400
Ransom	2,300	1,200	1,300	1,200	1,100	1,200	1,300	1,200	1,300
Renville	800	1,000	1,000	900	900	600	600	700	700
Richland	4,300	3,200	3,400	3,500	3,100	2,400	2,100	2,000	2,100
Rolette	1,500	1,100	900	800	700	600	600	700	700
Sargent	2,400	1,900	1,900	1,800	2,000	1,500	1,700	1,600	1,500
Sheridan	3,400	2,400	2,200	2,100	1,800	2,000	1,700	1,800	1,800
Sioux	1,500	1,300	1,200	1,100	1,100	1,400	900	900	900
Slope	700	500	500	500	500	600	800	700	700
Stark	6,000	1,000	1,000	5,800	5,500	5,000	5,100	4,900	4,500
Steele	900	600	500	400	400	200	200	200	200
Stutsman	6,000	5,000	5,000	4,900	4,700	5,100	4,700	4,800	4,500
Towner	700	400	300	300	300	200	200	300	300
Traill	1,200	1,000	1,000	900	700	600	900	600	400
Walsh	1,800	1,000	1,000	1,000	1,000	900	1,000	1,000	1,100
Ward	4,500	4,100	4,000	3,900	3,500	2,400	2,000	1,900	2,000
Wells	3,000	2,300	2,000	1,800	1,800	1,500	1,700	1,600	1,600
Williams	1,100	600	500	500	600	400	600	600	600
NORTH DAKOTA	141,000	116,000	113,000	108,000	104,000	97,000	93,000	93,000	92,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.44

SHEEP ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1982

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Adams	6,600	5,300	4,400	5,100	5,700	5,200	6,900	8,500	9,300
Barnes	3,800	3,400	2,600	2,400	3,200	4,100	4,900	6,200	5,800
Benson	6,000	4,800	4,400	3,300	3,000	2,400	2,600	3,200	2,900
Billings	600	300	300	300	200	200	300	400	400
Bottineau	5,000	4,600	4,000	4,700	3,800	2,500	3,500	4,000	3,500
Bowman	28,400	31,800	28,100	25,700	19,500	17,500	23,000	26,800	27,400
Burke	4,300	3,900	2,800	3,500	2,500	2,000	2,700	3,100	3,200
Burleigh	7,000	1,900	1,400	1,700	2,200	3,600	3,900	4,700	5,100
Cass	14,500	11,400	9,000	8,900	8,900	8,800	9,100	11,700	10,800
Cavalier	2,100	700	800	600	800	1,200	1,200	1,400	1,500
Dickey	14,100	8,100	7,900	8,400	8,500	8,500	9,300	10,400	10,700
Divide	4,100	2,300	2,400	2,300	1,600	2,100	2,000	2,200	2,500
Dunn	2,800	2,700	2,900	2,500	2,000	1,800	3,000	3,100	3,200
Eddy	8,600	7,000	6,100	6,800	6,000	7,200	6,100	6,300	6,800
Emmons	1,600	2,500	2,600	2,400	2,400	1,400	1,500	1,900	2,000
Foster	5,800	5,500	4,200	4,000	3,400	2,500	4,000	5,200	5,500
Golden Valley	3,300	2,200	1,700	2,200	1,700	2,300	2,800	3,600	4,000
Grand Forks	8,300	5,300	3,900	4,700	4,100	1,900	3,000	3,100	3,200
Grant	5,600	7,800	8,100	7,600	8,000	10,700	8,600	8,800	9,600
Griggs	3,400	2,200	1,800	1,600	2,000	1,700	2,400	3,100	2,900
Hettinger	2,900	800	700	1,200	1,100	800	1,600	2,000	2,100
Kidder	17,500	9,900	10,000	10,500	10,500	7,400	11,000	11,800	12,500
LaMoure	10,000	6,400	6,100	5,500	5,500	4,700	6,600	8,000	8,400
Logan	4,100	2,300	2,200	2,400	2,400	1,400	2,600	3,000	3,200
McHenry	4,500	3,200	3,400	3,200	3,200	3,800	3,900	4,700	4,100
McIntosh	2,100	2,100	2,400	1,900	2,100	2,800	3,200	3,900	4,000
McKenzie	6,300	27,800	21,800	25,900	17,500	22,500	20,000	20,400	21,900
McClean	5,200	3,300	2,400	2,000	2,100	1,900	2,500	3,000	3,100
Mercer	2,200	2,300	1,800	1,300	1,700	1,400	1,700	1,900	2,100
Morton	5,600	5,800	5,000	5,400	6,000	4,300	7,000	7,700	8,400

TABLE 8.44--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Mountrail	4,900	5,500	4,900	4,500	4,200	3,000	4,100	5,100	5,100
Nelson	5,000	4,200	3,700	3,500	3,200	2,400	3,000	3,300	3,500
Oliver	3,100	1,600	1,100	1,600	2,000	2,500	2,300	2,500	2,600
Pembina	4,600	2,600	2,000	2,400	2,200	1,500	2,000	2,100	2,200
Pierce	3,800	2,100	2,200	1,800	1,600	1,600	1,700	2,200	2,000
Ramsey	5,500	2,400	1,800	1,900	1,900	1,000	1,700	1,800	1,900
Ransom	10,000	7,900	7,000	6,600	6,000	6,100	7,500	7,700	7,900
Renville	1,500	1,700	1,000	900	800	800	1,000	1,200	1,500
Richland	7,000	3,200	2,900	2,600	2,500	1,900	2,500	3,100	3,200
Rolette	4,000	3,000	2,200	2,700	2,700	2,000	3,100	3,900	3,600
Sargent	7,000	7,000	5,700	5,600	5,000	3,500	5,200	6,300	6,400
Sheridan	1,800	800	700	700	900	500	1,000	1,300	1,400
Sioux	1,300	1,100	1,000	1,000	1,000	500	1,000	1,300	1,400
Slope	4,700	5,600	4,800	5,300	3,100	2,700	3,000	3,700	3,900
Stark	4,000	3,800	3,500	3,300	3,200	4,000	4,100	5,100	5,500
Steele	4,600	3,000	2,700	3,600	3,600	2,700	3,500	4,000	3,700
Stutsman	18,800	12,100	8,800	11,000	9,400	7,800	8,700	11,100	11,900
Towner	6,200	4,000	2,900	3,000	2,500	2,500	2,800	2,900	3,000
Traill	2,600	2,000	1,500	1,900	1,900	1,100	2,000	2,100	1,900
Walsh	2,400	2,000	1,600	1,200	1,200	1,000	1,300	1,400	1,500
Ward	6,800	3,500	3,600	3,300	4,200	3,600	4,200	5,200	5,000
Wells	7,300	5,400	4,400	5,100	4,400	3,700	5,000	5,200	5,600
Williams	6,800	4,400	5,800	4,500	3,900	3,000	4,400	5,400	5,200
NORTH DAKOTA	320,000	276,000	231,000	236,000	213,000	198,000	236,000	272,000	280,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.45

HOGS ON FARMS AS OF DECEMBER 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981

County	1970	1975	1976	1977	1978	1979	1980	1981*
Adams	2,000	3,100	3,300	3,100	3,000	2,900	2,000	2,000
Barnes	13,000	15,700	16,600	14,300	14,000	15,600	11,900	14,400
Benson	3,400	5,100	6,600	5,000	4,500	5,100	3,000	2,700
Billings	1,000	800	700	600	400	500	300	300
Bottineau	2,300	3,700	3,000	2,500	2,300	2,700	1,700	1,500
Bowman	6,000	1,600	2,400	1,700	1,500	2,100	1,700	2,100
Burke	600	900	600	700	900	1,000	700	700
Burleigh	12,200	12,500	12,600	11,800	11,200	12,300	7,700	7,400
Cass	39,500	28,400	25,900	26,000	24,000	27,400	21,500	25,700
Cavalier	6,000	5,000	4,600	5,200	6,300	5,900	4,700	4,400
Dickey	2,900	19,400	18,100	17,600	18,000	21,000	14,800	15,800
Divide	17,300	2,500	2,300	2,400	3,000	2,600	2,000	2,000
Dunn	6,200	6,000	5,100	4,400	4,300	5,600	3,400	3,000
Eddy	1,100	1,800	1,400	1,200	1,000	1,400	1,000	1,200
Emmons	13,200	7,600	8,100	7,200	9,200	10,000	5,600	5,200
Foster	4,900	3,500	2,700	2,700	3,200	3,700	2,900	3,400
Golden Valley	6,500	4,300	3,100	4,300	4,200	5,700	5,000	6,200
Grand Forks	7,300	5,100	4,100	4,100	5,800	5,900	5,100	5,000
Grant	14,600	11,700	13,200	12,200	16,100	16,500	11,000	11,400
Griggs	3,500	2,500	3,000	2,700	3,400	3,200	2,600	3,100
Hettinger	8,500	7,700	7,800	8,000	8,500	9,400	7,700	9,300
Kidder	5,000	4,300	4,500	3,500	4,100	4,200	2,500	2,500
LaMoure	12,000	11,200	9,900	12,000	10,500	13,400	9,700	10,400
Logan	3,000	1,300	1,400	1,500	2,200	2,500	1,700	1,900
McHenry	6,900	6,200	6,800	5,400	7,100	5,500	3,800	3,400
McIntosh	8,000	3,300	2,400	2,600	3,900	4,900	4,800	4,100
McKenzie	3,700	2,500	2,100	1,900	2,500	2,000	1,500	1,400
McLean	6,100	5,300	5,000	4,800	4,600	5,500	3,800	3,500
Mercer	6,000	3,300	2,400	2,500	2,600	3,000	1,900	1,700
Morton	13,500	15,400	15,900	14,500	13,400	15,800	11,100	11,400

TABLE 8.45--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981*
Mountrail	3,100	1,200	1,100	1,000	1,300	1,400	1,100	1,200
Nelson	1,900	2,800	3,500	3,900	5,500	3,700	2,500	2,200
Oliver	8,000	7,000	6,400	6,000	6,100	6,300	4,600	4,700
Pembina	7,700	8,500	7,300	8,400	11,800	8,600	6,700	6,400
Pierce	2,500	1,300	1,200	800	1,300	1,100	900	800
Ramsey	2,100	1,400	1,700	1,400	2,500	2,100	1,600	1,500
Ransom	21,400	13,700	12,000	11,500	12,000	14,300	9,600	10,000
Renville	2,200	1,300	1,100	1,000	1,200	1,000	700	600
Richland	52,000	35,600	32,500	31,000	27,500	36,600	24,500	25,300
Rolette	2,900	2,100	1,500	1,900	2,200	2,800	2,000	1,800
Sargent	23,300	20,000	17,800	17,200	16,600	18,900	13,700	14,700
Sheridan	1,300	1,900	1,600	2,100	1,500	2,200	1,400	1,400
Sioux	2,500	2,000	1,400	1,600	2,000	2,000	1,500	1,600
Slope	2,500	2,000	3,500	3,500	3,700	3,800	2,900	3,400
Stark	11,500	8,700	8,500	8,200	8,100	10,400	7,800	9,200
Steele	1,800	1,300	1,400	1,600	1,200	1,600	1,200	1,500
Stutsman	14,000	8,300	9,600	9,600	11,100	10,700	6,100	5,900
Towner	4,100	2,500	1,200	2,000	2,100	2,300	2,000	2,000
Traill	7,200	7,300	5,600	5,600	5,400	6,300	5,200	5,900
Walsh	4,900	8,900	7,500	7,300	6,900	7,400	6,400	6,500
Ward	5,000	4,800	3,300	3,600	4,700	3,900	3,000	3,000
Wells	4,700	3,900	3,000	2,900	2,700	3,100	2,000	2,000
Williams	2,200	1,800	1,700	1,500	1,900	2,200	1,500	1,300
NORTH DAKOTA	425,000	350,000	330,000	320,000	335,000	370,000	265,000	280,000
Total Value (In Thousands)	$5,372	$28,525	$15,345	$20,160	$27,638	$27,638	$20,535	$17,358

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.46

ALL CATTLE ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1982 (In Thousands)

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Adams	35	50	45	38	33	32	34	30	34
Barnes	46	58	56	46	40	36	36	32	37
Benson	38	46	41	41	35	32	30	29	31
Billings	31	37	33	32	31	30	31	28	31
Bottineau	23	33	28	27	24	23	22	21	22
Bowman	32	44	40	35	30	32	35	30	35
Burke	17	23	20	18	17	15	15	15	17
Burleigh	81	91	70	60	58	64	65	60	66
Cass	41	40	40	37	33	31	31	27	30
Cavalier	16	16	17	13	11	10	11	10	10
Dickey	60	74	78	72	66	62	68	60	66
Divide	18	23	18	19	18	17	16	15	15
Dunn	89	115	100	92	89	92	94	86	101
Eddy	23	29	27	23	22	22	23	21	19
Emmons	69	78	73	70	65	64	64	62	65
Foster	24	34	27	27	26	26	29	26	26
Golden Valley	24	36	26	25	21	26	27	28	31
Grand Forks	21	25	25	21	17	19	18	15	14
Grant	68	86	74	72	69	64	66	62	63
Griggs	22	30	23	20	20	22	21	20	21
Hettinger	35	43	33	33	33	28	28	25	29
Kidder	66	86	80	80	74	70	74	70	74
LaMoure	53	66	60	50	47	44	45	39	45
Logan	52	58	57	56	54	52	56	52	57
McHenry	60	86	84	80	72	68	66	62	61
McIntosh	50	61	56	52	48	46	48	47	50
McKenzie	78	103	85	84	82	80	78	74	80
McLean	60	64	52	48	45	45	47	45	47
Mercer	52	59	54	52	47	45	48	41	45
Morton	95	120	115	117	106	100	104	96	102

TABLE 8.46--Continued

County	1970	1975	1976	1977	1978	1979	1980	1981	1982*
Mountrail	36	50	42	45	39	36	36	34	39
Nelson	17	22	21	18	16	16	16	16	16
Oliver	37	42	37	36	36	33	34	35	38
Pembina	13	14	14	12	11	11	11	10	10
Pierce	32	37	40	34	32	27	28	27	27
Ramsey	14	15	14	11	10	10	9	8	8
Ransom	43	31	49	48	46	38	39	34	35
Renville	9	15	12	11	10	10	9	9	10
Richland	48	63	64	48	44	41	42	39	43
Rolette	20	27	24	24	22	22	23	22	22
Sargent	45	54	66	56	50	43	46	42	42
Sheridan	34	38	34	38	29	29	31	29	30
Sioux	36	47	44	45	41	31	33	30	36
Slope	27	42	33	32	28	30	30	27	31
Stark	61	81	71	68	63	60	59	52	59
Steele	11	14	11	10	9	7	7	7	8
Stutsman	81	98	82	83	74	78	74	70	76
Towner	8	11	11	9	7	7	6	7	8
Traill	13	12	14	13	11	10	9	9	10
Walsh	19	24	22	23	21	19	20	19	19
Ward	45	62	51	6	43	40	41	36	42
Wells	35	44	40	43	36	32	30	28	31
Williams	37	58	47	42	39	40	37	32	36
NORTH DAKOTA	2,292	2,635	2,380	2,235	2,050	1,967	2,000	1,850	2,000
Total Value in Dollars	411,450	461,125	487,900	469,350	502,250	924,490	1,070,000	943,500	860,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

TABLE 8.47

COMMERCIAL GRAIN STORAGE CAPACITY AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1960-1982 (Thousands of Bushels)

County	1960	1965	1970	1975	1978	1979	1980	1981	1982*
Adams	1,481	1,838	1,783	1,790	1,690	1,665	1,697	1,643	1,528
Barnes	3,317	3,777	3,957	4,844	5,533	5,421	5,435	5,810	6,840
Benson	2,439	2,769	2,666	2,624	2,651	2,506	2,446	2,679	2,753
Billings	60	65	-----	-----	-----	-----	-----	-----	-----
Bottineau	3,488	3,989	3,689	3,469	3,309	3,027	2,990	3,431	3,313
Bowman	2,244	2,608	2,669	2,837	2,453	2,309	2,374	2,404	2,482
Burke	1,345	1,539	1,410	1,202	1,097	1,142	993	1,021	983
Burleigh	1,621	1,657	1,644	1,880	1,749	1,801	1,833	1,532	1,526
Cass	10,936	11,354	10,569	11,286	9,757	9,519	10,216	10,601	10,736
Cavalier	2,410	2,486	2,388	2,623	2,238	2,341	2,484	2,549	2,473
Dickey	2,359	2,393	2,255	2,498	2,421	2,501	2,573	2,711	2,733
Divide	1,284	1,823	1,472	1,529	1,439	1,503	1,514	1,515	1,504
Dunn	721	920	993	823	668	765	779	779	780
Eddy	1,026	1,110	864	892	816	839	855	853	905
Emmons	1,258	1,486	1,509	1,437	1,431	1,423	1,330	1,326	1,332
Foster	2,795	3,028	2,760	3,359	3,325	4,143	4,187	5,392	5,105
Golden Valley	635	693	798	793	753	921	910	910	911
Grand Forks	12,463	13,734	13,605	13,822	13,382	13,550	13,982	14,567	14,730
Grant	1,119	1,073	1,057	948	907	943	982	966	970
Griggs	1,254	1,316	1,437	1,644	1,542	1,582	1,720	2,131	2,138
Hettinger	2,074	2,411	2,232	2,146	1,971	1,936	1,760	1,885	1,817
Kidder	984	1,074	1,138	1,132	941	816	836	815	815
LaMoure	2,724	2,824	3,086	3,251	2,948	3,014	2,934	3,074	3,049
Logan	1,268	1,303	1,292	1,551	1,431	1,400	1,491	1,419	1,394
McHenry	2,590	2,941	2,612	2,222	2,378	2,572	2,560	2,898	2,903
McIntosh	1,181	1,296	1,287	1,022	783	936	959	1,240	1,489
McKenzie	1,077	1,385	1,439	1,463	1,548	1,545	1,493	1,505	1,368
McLean	2,741	3,391	3,453	3,389	3,590	3,747	3,706	4,392	4,055
Mercer	1,590	1,682	1,756	1,279	1,238	1,195	1,281	1,230	1,232
Morton	2,377	2,645	2,577	2,399	2,095	2,141	2,073	2,024	2,015

TABLE 8.47--Continued

County	1960	1965	1970	1975	1978	1979	1980	1981	1982*
Mountrail	2,585	3,091	2,995	2,849	2,750	2,820	2,747	2,712	2,765
Nelson	2,852	2,884	2,934	3,120	3,069	3,079	3,185	3,437	3,507
Oliver	71	37	-----	-----	-----	-----	-----	-----	-----
Pembina	3,200	3,155	3,083	3,208	3,079	3,051	2,902	2,918	3,043
Pierce	1,200	1,164	935	1,097	988	897	897	992	974
Ramsey	3,835	4,275	4,004	4,231	4,133	4,411	4,067	4,103	4,066
Ransom	1,475	1,452	1,100	1,349	1,108	843	1,101	1,070	1,055
Renville	1,372	1,523	1,544	1,661	1,600	1,531	1,542	1,380	1,390
Richland	2,984	3,242	3,459	4,103	4,237	5,543	5,594	5,361	5,389
Rolette	1,042	1,153	1,037	1,023	826	775	775	834	890
Sargent	1,833	1,990	1,839	2,152	2,187	2,020	1,973	2,183	2,244
Sheridan	1,092	1,129	943	998	880	910	910	860	870
Sioux	195	199	170	160	170	160	170	172	180
Slope	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stark	2,965	3,410	3,206	3,074	3,064	3,349	3,271	3,383	3,285
Steele	1,721	2,006	1,763	1,727	1,435	1,374	1,556	1,853	1,877
Stutsman	7,917	8,291	9,139	10,618	12,396	12,581	14,165	15,435	15,056
Towner	2,505	2,651	2,385	2,275	2,194	2,296	2,385	2,332	2,270
Traill	3,877	4,193	4,144	4,776	4,481	3,990	4,347	4,243	4,264
Walsh	3,165	3,461	3,741	4,026	4,099	4,577	4,485	5,014	4,967
Ward	4,919	6,116	5,743	5,675	5,570	5,988	6,026	6,739	6,650
Wells	2,480	3,091	3,068	2,983	2,704	2,797	2,693	3,194	3,255
Williams	3,415	3,826	3,371	3,291	3,285	3,231	3,056	3,293	3,234
NORTH DAKOTA	129,561	142,949	139,000	144,550	140,069	143,426	146,240	154,810	155,110

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Preliminary.

9.00

ENERGY AND RELATED MINERAL ACTIVITIES

Energy has become one of the most widely discussed topics of recent times. North Dakoa residents have been perhaps more involved than most, as they have grappled with formulating public policies for intelligently developing the state's substantial energy resources. Energy information contained in this section provides perspective on the level and growth of energy production and consumption in North Dakota.

Energy production statistics reported here survey North Dakota's three primary energy resources: lignite, petroleum, and natural gas. Lignite production data comes from the North Dakota State Coal Mine Inspector's Annual and Biennial Report, of the Public Service Commission. Related data pertaining to collections and disbursements of the state Coal Severance Tax is provided by the office of the State Tax Commissioner from Biennial Report and unpublished working papers. The source of data on petroleum and natural gas is the North Dakota Geological Survey, which maintains detailed production reports from which it publishes monthly and semi-annual reports for the State Industrial Commission. Oil and gas production tax data are from the North Dakota State Treasurer's Oil and Gas Gross Production Distribution Reports. Data on the generation, distribution, and consumption of electricity and natural gas are collected by the North Dakota Public Service Commission and published in its Annual and Biennial Report. Gasoline and special fuels data are based on tax collections reported to the Motor Fuels and Miscellaneous Tax Section of the North Dakota Tax Department.

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TABLE 8.48

NORTH DAKOTA SHIPMENTS FROM COMMERCIAL STORAGE BY COUNTY AND MODE OF SHIPMENT, 1979-1980* (Thousands of Bushels)

District & County	Hard Red Spring Wheat				Durum				Oats			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Burke	1,110	474	5	1,589	1,083	252	--	1,335	--	9	--	9
Divide	633	--	--	633	3,103	10	--	3,113	--	12	--	12
Mountrail	515	53	17	585	4,697	289	--	4,986	--	12	--	12
Renville	1,254	280	37	1,572	1,151	258	--	1,409	5	112	--	117
Ward	3,266	557	3	3,826	4,795	556	7	5,358	13	363	--	376
Williams	2,555	1,769	23	4,347	3,112	461	--	3,573	--	64	--	64
Northwest	9,334	3,133	85	12,552	17,941	1,826	7	19,774	17	572	--	590
Benson	716	184	20	919	2,691	732	2	3,425	11	11	2	23
Bottineau	1,318	139	135	1,591	3,564	248	2	3,814	15	338	--	353
McHenry	2,417	952	66	3,435	754	47	--	801	--	102	--	102
Pierce	771	183	22	976	652	59	--	711	--	9	--	9
Rolette	188	63	9	260	1,280	192	--	1,472	--	14	--	14
North Central	5,409	1,521	252	7,182	8,941	1,278	4	10,223	26	474	2	501
Cavalier	2,348	725	75	3,148	2,685	282	--	2,967	--	15	--	15
Grand Forks	4,197	2,507	208	6,912	458	341	2	801	50	101	--	151
Nelson	1,165	185	7	1,357	2,074	373	--	2,447	19	11	--	30
Pembina	4,109	2,796	165	7,070	111	63	--	174	--	11	--	11
Ramsey	1,629	208	44	1,880	4,420	491	--	4,912	12	10	--	22
Towner	182	43	30	256	2,857	381	--	3,237	--	3	5	8
Walsh	6,179	873	159	7,211	1,026	78	--	1,106	17	37	1	55
Northeast	19,809	7,338	689	27,836	13,631	2,011	2	15,644	98	188	6	291
Dunn	76	504	--	580	5	--	--	5	--	--	--	--
McKenzie	655	477	--	1,131	181	26	--	207	--	--	--	--
McLean	2,038	1,783	--	3,821	2,756	84	--	2,840	--	42	--	42
Mercer	628	515	118	1,261	62	14	--	76	--	--	--	--
West Central	3,397	3,279	118	6,793	3,004	125	--	3,129	--	42	--	42
Eddy	499	443	167	1,109	398	228	--	627	4	5	--	9
Foster	1,536	264	--	1,800	922	105	--	1,027	9	39	--	47
Kidder	403	161	43	606	258	4	--	262	6	--	--	6
Sheridan	1,141	430	26	1,596	205	27	--	233	--	26	--	26
Stutsman	2,827	1,726	24	4,577	1,622	263	--	1,885	--	69	--	69
Wells	2,481	1,352	63	3,896	1,583	199	2	1,785	--	10	--	10
Central	8,888	4,374	322	13,584	4,989	827	2	5,818	19	148	--	167

TABLE 8.48--Continued

District & County	Hard Red Spring Wheat				Durum				Oats			
	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total	Rail	Truck	CCC	Total
Barnes	4,426	1,239	85	5,751	429	49	--	478	4	7	3	14
Cass	5,067	4,233	108	9,408	1,515	311	--	1,826	125	73	--	199
Griggs	1,937	533	58	2,528	174	40	--	214	4	14	8	26
Steele	1,874	1,161	112	3,147	275	26	--	301	--	17	--	17
Traill	3,101	1,527	41	4,670	279	52	--	331	15	287	1	303
East Central	16,406	8,692	405	25,504	2,672	478	--	3,150	148	398	12	558
Adams	40	727	1	768	277	9	--	286	--	1	--	1
Bowman	107	1,762	--	1,869	498	276	--	774	--	--	--	--
Golden Valley	20	513	--	533	58	292	--	350	--	--	--	--
Hettinger	88	2,635	19	2,742	504	124	--	628	--	--	--	--
Stark	528	1,795	5	2,328	87	52	--	139	--	3	--	3
Southwest	784	7,432	25	8,240	1,424	753	--	2,178	--	4	--	4
Burleigh	230	1,242	41	1,503	211	70	--	281	--	4	--	4
Emmons	551	257	--	808	63	21	--	84	--	--	--	--
Grant	68	910	--	977	60	8	--	68	--	3	--	3
Morton	476	1,964	--	2,439	3	47	--	50	--	--	--	--
Sioux	24	75	5	104	18	2	--	20	--	--	--	--
South Central	1349	4,437	46	5,832	355	149	--	504	--	8	--	8
Dickey	1,580	105	45	1,730	357	5	--	362	58	39	--	97
LaMoure	3,828	460	30	4,317	669	24	--	693	10	61	--	71
Logan	1,461	597	2	2,059	590	33	--	623	--	6	--	6
McIntosh	595	100	22	717	33	1	--	34	--	--	--	--
Ransom	1,666	225	--	1,890	173	3	--	176	152	170	--	322
Richland	3,701	1,010	119	4,830	159	11	--	170	330	185	--	516
Sargent	2,527	371	152	3,050	686	31	--	717	240	101	--	340
Southeast	15,357	2,866	369	18,593	2,667	107	--	2,774	789	563	--	1,352
NORTH DAKOTA	80,733	43,072	2,310	126,116	55,624	7,554	15	63,193	1,097	2,398	20	3,514
NORTH DAKOTA (%)	64	34	2		88	12	0		31	68	1	

TABLE 8.48--Continued

District & County	Barley				Sunflower			Flaxseed			Rye		
	Rail	Truck	CCC	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
Burke	89	43	--	132	137	179	316	--	16	16	--	10	10
Divide	36	28	--	64	152	--	152	--	1	1	--	--	--
Mountrail	91	19	--	110	4	210	214	--	7	7	--	6	6
Renville	355	151	--	505	71	237	308	--	38	38	3	5	8
Ward	469	230	--	699	3,581	1,398	4,979	--	286	286	2	12	14
Williams	37	615	--	653	212	241	453	--	--	--	--	29	29
Northwest	1,077	1,085	--	2,162	4,156	2,266	6,422	--	348	348	5	63	68
Benson	637	402	10	1,049	1,179	2,370	3,549	38	79	117	10	11	22
Bottineau	1,355	619	--	1,974	1,566	1,079	2,645	8	239	246	--	67	67
McHenry	172	109	--	280	1,538	856	2,394	6	112	118	3	17	20
Pierce	158	29	--	187	119	654	773	8	125	133	--	18	18
Rolette	633	92	--	725	109	499	608	--	34	34	--	8	8
North Central	2,955	1,252	10	4,216	4,511	5,458	9,970	59	589	648	14	121	135
Cavalier	3,660	931	--	4,591	544	667	1,211	14	98	112	31	49	80
Grand Forks	4,963	911	135	6,008	2,545	4,694	7,239	5	37	43	37	4	41
Nelson	1,270	183	--	1,453	976	2,877	3,851	10	128	138	5	1	6
Pembina	964	1,001	--	1,965	942	1,601	2,543	3	39	43	--	21	21
Ramsey	2,466	363	20	2,849	2,071	2,345	4,416	23	190	213	54	3	57
Towner	1,098	442	19	1,559	177	668	842	--	25	25	--	1	1
Walsh	2,594	535	7	3,135	2,362	1,702	4,063	52	81	133	22	19	41
Northeast	17,015	4,365	181	21,561	9,614	14,551	24,165	109	598	707	149	98	247
Dunn	--	--	--	--	50	87	137	--	--	--	--	--	--
McKenzie	--	5	--	5	--	77	77	--	1	1	4	3	7
McLean	15	36	--	51	800	564	1,364	--	186	186	48	6	54
Mercer	--	--	--	--	8	80	88	--	8	9	--	--	--
West Central	15	41	--	56	858	809	1,667	--	194	194	51	10	61
Eddy	125	60	6	191	203	879	1,081	--	63	63	20	16	37
Foster	81	57	--	138	3,475	3,012	6,487	4	45	48	29	44	73
Kidder	32	5	7	43	--	73	73	--	34	34	26	11	36
Sheridan	56	64	--	120	--	84	84	--	48	48	--	12	12
Stutsman	907	1,726	12	2645	4,378	4,084	8,462	3	140	143	19	277	296
Wells	481	157	6	644	1,266	2,660	3,926	12	134	145	13	44	57
Central	1,683	2,069	31	3,782	9,322	10,792	20,114	18	463	482	107	405	512

TABLE 8.48--Continued

District & County	Barley				Sunflower			Flaxseed			Rye		
	Rail	Truck	CCC	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
Barnes	1,350	1,546	--	2,897	5,009	2,820	7,829	75	148	222	10	20	29
Cass	7,702	1,284	7	8,993	3,783	8,563	12,346	3	105	108	22	15	37
Griggs	590	332	9	932	323	2,117	2,439	8	79	87	2	1	2
Steele	1,692	766	--	2,458	463	3,590	4,052	20	51	70	--	1	1
Traill	5,636	896	--	6,532	496	3,708	4,204	70	51	121	2	4	7
East Central	16,971	4,825	16	21,811	10,073	20,798	30,871	175	434	609	35	41	75
Adams	--	--	--	--	17	50	67	--	2	2	--	7	7
Bowman	--	--	--	--	31	54	85	--	5	5	--	--	--
Golden Valley	--	--	--	--	--	47	47	--	2	2	--	1	1
Hettinger	10	2	--	12	154	792	946	--	10	10	11	35	46
Stark	--	1	--	1	35	349	384	--	4	4	--	20	20
Southwest	10	3	--	13	237	1,291	1,528	--	22	22	11	62	74
Burleigh	7	1	--	8	178	229	406	3	27	29	--	10	10
Emmons	7	2	--	9	--	35	35	--	83	83	6	17	22
Grant	--	3	--	3	34	647	681	--	--	--	--	31	31
Morton	--	--	--	--	51	59	110	--	26	26	--	--	--
Sioux	--	--	--	--	--	25	25	--	--	--	--	3	3
South Central	15	6	--	21	262	994	1,256	3	135	138	6	61	67
Dickey	610	36	--	646	1,476	1,798	3,274	--	273	273	111	45	156
LaMoure	204	217	--	420	1,400	3,429	4,829	39	193	232	109	104	212
Logan	37	10	--	47	463	524	987	9	172	181	46	17	63
McIntosh	--	1	--	1	4	106	111	9	87	96	11	16	27
Ransom	460	87	--	547	1,066	1,509	2,575	--	28	28	31	10	41
Richland	6,065	693	--	6,757	1,295	2,390	3,685	4	52	56	42	13	55
Sargent	585	45	--	630	1,010	2,400	3,410	40	123	163	170	58	227
Southeast	7,961	1,088	---	9,049	6,715	12,157	18,872	102	927	1,029	519	262	781
NORTH DAKOTA	47,700	14,735	237	62,672	45,750	69,116	114,866	465	3,711	4,176	894	1,122	2,019
NORTH DAKOTA (%)	76	24	0		40	60		11	89		44	56	

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

* Totals may not add due to rounding.

TABLE 8.49

FARMER COOPERATIVES: NUMBER, MEMBERSHIPS AND BUSINESS VOLUME, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1955-1979*

Year	North Dakota				United States		
	Number of Cooperatives		Member-ships	Net Business Volume** (Thousand $)	Cooper-atives	Memberships (Thousands)	Net Business Volume** (Millions $)
	Headquartered in State	Doing Business in State					
1955	533	552	255,660	$ 239,191	9,876	7,731	$ 9,769
1960	507	527	251,070	323,062	9,163	7,203	12,409
1965	508	530	257,060	364,222	8,329	6,826	15,608
1970	495	514	229,645	418,466	7,995	6,158	20,556
1971	634	652	234,435	436,820	7,797	6,147	21,665
1972	668	682	262,855	441,629	7,854	6,128	25,991
1973	671	685	262,445	739,413	7,755	6,105	35,366
1974	671	685	262,450	1,123,438	7,645	6,123	41,342
1975	664	556	201,387	1,216,593	7,535	5,906	40,050
1979	431	447	179,225	1,998,986	6,445	5,627	56,268

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

* Data are for calendar year shown or for the period of July 1 of year shown through June 30 of following year.

** Value at first level at which co-ops transact business for farmers. Adjusted for duplications resulting from intercooperative sales.

TABLE 8.50

INDEXES OF PRICES RECEIVED AND PAID BY FARMERS, SELECTED YEARS, 1960-1980

(1967 = 100, except as noted)

Item	1960	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980
Prices Received, all Prod.	95	98	110	125	179	192	185	186	183	211	241	246
Crops	99	103	100	114	175	224	201	197	192	205	223	241
Livestock & Prod.	92	94	118	136	183	165	172	177	175	217	257	251
Prices Paid, Total[1]	88	94	112	125	144	164	180	192	203	220	250	281
Living, CPI[2]	90	95	116	125	133	148	161	171	182	194	215	245
Production	92	96	108	121	146	166	182	193	200	217	249	276
Interest Payable/Acre	45	79	137	164	194	234	273	312	358	422	515	640
Taxes Payable/Acre	69	87	129	142	145	154	165	178	190	189	203	216
Wages[3]	74	86	128	142	155	178	192	210	226	242	265	287
Parity Ratio (1900-14 = 100)[1,4]	80	76	72	74	91	86	76	71	66	70	71	64

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

[1] Includes interest, taxes, and wage rates.

[2] U.S. Bureau of Labor Statistics Consumer Price Index.

[3] Straight average of seasonally adjusted quarterly indexes.

[4] Ratio of prices received to prices paid using the base years 1910-1914.

TABLE 8.51

HARD RED SPRING WHEAT AND DURUM WHEAT SHIPMENTS FROM COMMERICAL STORAGES BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1980-JUNE 30, 1981[1,2] (Thousands of Bushels)

District & County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Burke	295	144	972	173	721	249	9	361
Divide	59	50	490	33	1,388	1,072	128	526
Mountrail	39	40	452	37	2,165	1,664	21	1,136
Renville	501	194	624	215	828	240	15	326
Ward	765	587	2,311	160	3,275	1,352	26	698
Williams	104	104	3,933	122	945	1,810	99	719
Northwest	1,764	1,119	8,844	740	9,321	6,383	297	3,766
Benson	642	89	75	93	2,506	453	3	461
Bottineau	574	192	489	201	2,577	583	19	632
McHenry	2,034	447	702	185	568	154	5	75
Pierce	504	140	179	132	499	107	1	105
Rolette	148	19	60	24	964	220	4	284
North Central	3,902	887	1,506	636	7,114	1,516	32	1,558
Cavalier	2,064	462	12	534	2,011	567	1	389
Grand Forks	4,642	1,434	16	612	722	57	3	16
Nelson	622	504	4	219	1,529	631	17	271
Pembina	4,939	726	25	1,216	145	15	--	13
Ramsey	1,168	238	29	401	3,756	464	33	659
Towner	115	17	41	52	2,397	318	4	518
Walsh	4,841	1,124	20	1,067	853	102	2	149
Northeast	18,391	4,505	147	4,104	11,413	2,154	59	2,016
Dunn	19	317	219	24	--	2	--	3
McKenzie	31	211	838	51	68	104	3	32
McLean	1,597	1,349	761	113	1,432	1,111	42	255
Mercer	99	317	673	54	36	15	--	25
West Central	1,747	2,193	2,492	243	1,526	1,231	46	316
Eddy	541	246	--	155	486	61	--	79
Foster	1,074	545	124	57	635	364	--	28
Kidder	296	190	3	74	180	56	--	25
Sheridan	849	386	298	38	186	41	--	5
Stutsman	3,031	1,010	146	366	1,724	119	--	42
Wells	2,419	518	683	212	1,379	259	--	145
Central	8,211	2,896	1,253	901	4,591	901	--	324

TABLE 8.51--Continued

District & County	Hard Red Spring Wheat Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Durum Wheat Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Barnes	4,404	874	13	374	429	34	--	16
Cass	5,327	3,106	294	572	1,205	173	2	446
Griggs	1,578	574	20	298	171	31	--	13
Steele	2,194	454	126	261	263	26	--	12
Traill	3,010	817	176	626	278	35	--	19
East Central	16,514	5,824	629	2,131	2,345	298	2	505
Adams	--	101	579	87	4	218	--	64
Bowman	47	97	1,541	183	5	597	--	173
Golden Valley	3	164	356	10	62	275	1	12
Hettinger	78	471	1,964	211	38	495	5	90
Stark	44	464	1,602	214	59	49	5	26
Southwest	173	1,296	6,042	705	168	1,634	11	365
Burleigh	407	905	98	53	137	85	13	46
Emmons	352	319	51	86	60	20	--	4
Grant	73	54	657	194	26	8	24	10
Morton	640	873	845	117	24	14	--	12
Sioux	45	5	46	3	20	--	--	--
South Central	1,517	2,120	1,696	453	267	126	37	73
Dickey	729	800	11	145	194	152	--	16
LaMoure	2,791	753	129	615	461	117	--	114
Logan	1,364	503	114	76	394	142	--	87
McIntosh	297	213	175	10	30	3	--	1
Ransom	1,593	139	--	158	149	25	--	2
Richland	2,293	1,946	4	468	130	32	--	8
Sargent	1,176	1,229	33	459	389	320	--	8
Southeast	10,244	5,583	464	1,932	1,747	791	--	236
NORTH DAKOTA	62,463	26,424	23,072	11,846	38,501	15,035	483	9,158
NORTH DAKOTA (%)	50	21	19	10	61	24	1	14

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

[1] Does not include CCC shipments. [2] Totals may not add due to rounding. [3] Includes all other destinations.

TABLE 8.52

BARLEY AND OATS SHIPMENTS FROM COMMERCIAL STORAGES BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1980-JUNE 30, 1981[1,2] (Thousands of Bushels)

District & County	Barley				Oats			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Burke	10	11	11	100	--	--	1	7
Divide	4	20	27	13	--	--	10	1
Mountrail	3	71	18	18	--	--	6	6
Renville	58	112	73	262	--	14	89	14
Ward	66	329	46	258	--	111	203	62
Williams	--	8	605	41	--	--	12	53
Northwest	141	550	780	692	--	125	321	143
Benson	294	236	39	471	8	4	--	10
Bottineau	335	163	231	1,244	--	27	301	25
McHenry	85	97	28	71	20	3	73	6
Pierce	27	52	14	94	--	--	6	3
Rolette	301	292	4	127	2	--	11	1
North Central	1,042	841	316	2,007	30	34	391	45
Cavalier	1,731	1,558	9	1,292	--	--	--	15
Grand Forks	1,611	3,536	49	677	29	53	7	61
Nelson	373	730	60	290	12	13	--	5
Pembina	1,079	499	18	366	8	2	--	2
Ramsey	1,261	816	45	706	13	8	--	--
Towner	438	496	83	524	--	--	3	--
Walsh	1,358	1,232	138	402	15	15	--	24
Northeast	7,851	8,866	402	4,261	77	91	10	107
Dunn	--	--	--	--	--	--	--	--
McKenzie	--	--	--	--	--	--	--	--
McLean	6	23	5	20	--	--	32	11
Mercer	--	--	2	--	--	--	--	--
West Central	6	23	7	20	--	--	32	11
Eddy	69	45	3	58	--	4	--	5
Foster	67	42	10	19	--	10	33	4
Kidder	8	4	--	25	--	6	--	--
Sheridan	23	36	2	60	--	7	16	3
Stutsman	321	64	268	1,980	2	10	--	57
Wells	130	248	4	256	--	5	3	3
Central	619	447	288	2,398	2	42	51	72

TABLE 8.52--Continued

District & County	Barley: Duluth/ Superior	Barley: Mpls./ St. Paul	Barley: West	Barley: Misc.[3]	Oats: Duluth/ Superior	Oats: Mpls./ St. Paul	Oats: West	Oats: Misc.[3]
Barnes	578	695	47	1,576	--	9	1	1
Cass	1,525	2,549	117	4,795	34	141	1	23
Griggs	249	352	11	312	9	3	6	--
Steele	912	714	3	828	--	--	8	8
Traill	689	3,081	18	2,744	5	11	85	200
East Central	3,953	7,391	196	10,256	48	163	102	233
Adams	--	--	--	--	--	--	1	--
Bowman	--	--	--	--	--	--	--	--
Golden Valley	--	--	--	--	--	--	--	--
Hettinger	--	10	2	--	--	--	--	--
Stark	--	--	1	--	--	--	3	--
Southwest	--	10	3	--	--	--	4	--
Burleigh	4	4	1	--	--	--	4	--
Emmons	7	--	--	2	--	--	--	--
Grant	3	--	--	--	3	--	--	--
Morton	--	--	--	--	--	--	--	--
Sioux	--	--	--	--	--	--	--	--
South Central	14	4	1	2	3	--	4	--
Dickey	105	493	--	48	--	62	7	28
LaMoure	86	185	3	197	20	13	5	33
Logan	16	21	--	10	--	--	--	6
McIntosh	--	--	--	1	--	--	--	--
Ransom	104	302	--	141	--	147	6	169
Richland	183	436	27	6,111	87	322	2	105
Sargent	47	433	--	100	32	270	--	38
Southeast	541	1,870	30	6,607	139	814	20	380
NORTH DAKOTA	14,167	20,002	2,023	26,243	299	1,269	936	991
NORTH DAKOTA (%)	23	32	3	42	9	36	27	28

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

[1] Does not include CCC shipments. [2] Totals may not add due to rounding. [3] Includes all other destinations.

TABLE 8.53

SUNFLOWER AND FLAXSEED SHIPMENTS FROM COMMERCIAL STORAGES BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1980-JUNE 30, 1981[1,2] (Thousands of Bushels)

District & County	Sunflower				Flaxseed			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Burke	189	39	2	86	--	14	--	2
Divide	139	--	--	12	--	1	--	--
Mountrail	49	31	--	134	--	7	--	--
Renville	166	87	22	33	--	37	--	1
Ward	2,751	975	--	1,253	1	284	--	1
Williams	248	127	7	71	--	--	--	--
Northwest	3,543	1,260	30	1,590	1	343	--	4
Benson	2,802	185	87	475	26	91	--	--
Bottineau	1,237	471	80	856	2	234	4	6
McHenry	1,847	113	4	402	4	114	--	--
Pierce	573	50	--	149	4	128	--	2
Rolette	412	39	--	158	--	34	--	--
North Central	6,899	859	171	2,041	36	601	4	7
Cavalier	826	234	--	152	3	103	--	6
Grand Forks	4,098	1,389	37	1,715	--	43	--	--
Nelson	2,727	633	--	491	1	135	--	3
Pembina	2,257	63	--	223	--	42	--	1
Ramsey	3,257	98	16	1,045	8	202	--	3
Towner	625	40	--	178	--	24	--	1
Walsh	3,572	120	17	353	6	118	--	10
Northeast	17,362	2,577	70	4,156	17	666	--	24
Dunn	122	7	--	9	--	--	--	--
McKenzie	6	25	3	43	--	1	--	--
McLean	832	63	12	457	3	172	8	3
Mercer	8	24	--	56	--	8	--	--
West Central	968	119	15	566	3	181	8	3
Eddy	674	23	8	376	--	58	--	5
Foster	3,261	432	193	2,601	--	47	--	1
Kidder	33	26	--	14	--	32	--	2
Sheridan	29	9	9	37	2	46	--	--
Stutsman	4,074	431	557	3,400	14	127	--	2
Wells	2,268	527	--	1,131	--	128	--	18
Central	10,339	1,448	767	7,560	16	438	--	28

TABLE 8.53--Continued

District & County	Sunflower				Flaxseed			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Barnes	4,858	311	189	2,471	--	192	--	30
Cass	5,268	648	98	6,331	4	102	--	3
Griggs	1,520	44	--	875	4	76	--	7
Steele	2,892	73	37	1,051	--	64	--	6
Traill	2,763	128	46	1,268	--	48	--	74
East Central	17,301	1,205	369	11,996	8	482	--	119
Adams	17	17	--	33	--	2	--	--
Bowman	31	3	--	51	--	4	--	1
Golden Valley	10	29	--	8	--	2	--	--
Hettinger	215	198	--	532	1	9	--	--
Stark	49	58	--	277	--	2	3	--
Southwest	323	305	--	900	1	18	3	1
Burleigh	161	74	--	172	--	29	--	--
Emmons	14	5	--	16	1	76	--	5
Grant	371	79	2	228	--	--	--	--
Morton	31	31	--	47	--	26	--	--
Sioux	21	--	--	4	--	--	--	--
South Central	599	188	2	467	1	132	--	5
Dickey	1,428	295	4	1,547	--	271	--	2
LaMoure	2,975	353	7	1,495	2	229	--	2
Logan	703	156	--	127	--	181	--	1
McIntosh	38	31	--	42	--	96	--	--
Ransom	880	31	30	1,633	--	28	--	--
Richland	2,113	385	56	1,131	3	52	--	1
Sargent	1,806	956	2	646	3	157	--	3
Southeast	9,943	2,207	99	6,623	7	1,014	--	8
NORTH DAKOTA	67,277	10,167	1,524	35,898	89	3,873	14	199
NORTH DAKOTA (%)	59	9	1	31	2	93	0	5

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

[1] Does not include CCC shipments. [2] Totals may not add due to rounding. [3] Includes all other destinations.

TABLE 9.01

NORTH DAKOTA LIGNITE PRODUCTION, SELECTED FISCAL YEARS, 1884-1981

Fiscal Year	Tons Produced	Fiscal Year	Tons Produced
1884*	35,000	1940	2,165,181
1890	30,000	1941	2,347,258
1895	38,997	1942	2,474,006
1900	129,883	1943	2,694,600
1901	166,601	1944	2,515,823
1902	226,511	1945	2,485,469
1903	278,645	1946	2,610,544
1904	271,928	1947	2,817,768
1905	317,542	1948	2,954,363
1906	305,689	1949	2,970,300
1907	347,760	1950	3,212,534
1908	320,742	1951	3,280,847
1909	372,570	1952	3,160,676
1910	416,580	1953	2,911,552
1911	502,628	1954	2,806,474
1912	499,480	1955	2,979,725
1913	495,320	1956	3,042,517
1914	506,685	1957	2,809,213
1915	528,078	1958	2,325,545
1916	634,912	1959	2,430,162
1917	790,548	1960	2,522,691
1918	813,000	1961	2,557,498
1919	783,694	1962	2,850,607
1920	878,969	1963	2,520,619
1921	895,715	1964	2,520,743
1922	1,057,823	1965	2,758,112
1923	1,435,605	1966	3,067,119
1924	1,029,449	1967	3,945,428
1925	1,357,408	1968	4,413,458
1926	1,385,362	1969	4,390,276
1927	1,529,154	1970	5,001,828
1928	1,783,624	1971	5,821,076
1929	1,902,593	1972	6,343,769
1930	1,849,144	1973	6,798,607
1931	1,552,242	1974	7,183,364
1932	1,743,053	1975	7,111,427
1933	1,872,381	1976	10,710,234
1934	1,746,226	1977	12,071,139
1935	1,828,213	1978	12,928,033
1936**	1,704,983	1979	14,279,722
1937	2,184,927	1980	16,828,903
1938	2,142,061	1981	17,449,232
1939	2,176,841		

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years, and North Dakota Public Service Commission, Reclamation and Siting Division.

* 1884 represents the first year that lignite production is recorded. It is almost certain that small amounts were mined for domestic uses prior to 1884.

** Data are for the period 11/1/35 to 6/30/36.

TABLE 9.04

DISTRIBUTION OF COAL SEVERANCE TAX BY COUNTY AND BY FORMULA DISTRIBUTION, FISCAL YEARS, 1976-1981

County	FY 1976	FY 1977	FY 1978
Adams	$ 353	$ 242	$ 4,455
Bowman	51,912	69,697	291,414
Burke	8,542	12,283	68,792
Grant	108	87	504
McLean	-------	-------	17,171
Mercer	106,021	148,735	675,890
Oliver	37,180	63,086	456,298
Stark	2,597	3,307	17,148
Ward	8,813	9,055	39,542
Williams	-------	-------	-------

County	FY 1979	FY 1980	FY 1981
Adams	$ 4,143	$ 6,237	$ 9,135
Bowman	476,059	510,077	513,838
Burke	73,201	82,555	78,192
Grant	872	811	1,312
McLean	116,720	373,489	601,455
Mercer	922,576	852,232	653,230
Oliver	727,874	960,551	1,164,520
Stark	25,284	39,043	28,733
Ward	47,315	58,248	65,902
Williams	-------	11,144	3,276

Formula Distribution	FY 1976	FY 1977	FY 1978
Total Counties	$ 215,526	$ 306,493	$1,571,212
Impact Office	1,508,685	2,145,451	2,749,622
Land Board	1,293,159	1,838,958	1,178,409
General Fund	1,293,159	1,838,958	2,356,818
Total	4,310,529	6,129,859	7,856,062

Formula Distribution	FY 1979	FY 1980	FY 1981
Total Counties	$ 2,394,045	$ 2,894,388	$ 3,119,594
Impact Office	4,189,579	4,984,125	5,540,343
Land Board	1,795,534	2,136,054	2,374,433
General Fund	3,591,067	4,225,791	4,795,182
Total	11,970,225	14,240,357	15,829,551

SOURCE: North Dakota State Tax Commissioner's Biennial Report, 1976-1981.

Note: Detail may not add to totals due to rounding.

TABLE 9.05

NORTH DAKOTA CRUDE OIL PRODUCTION, 1951-1982

Year	Production (Barrels)	Year	Production (Barrels)	Year	Production (Barrels)
1951	26,727	1963	25,030,102	1975	20,451,051
1952	1,603,555	1964	25,730,346	1976	21,724,690
1953	5,275,831	1965	26,345,778	1977	23,272,804
1954	6,024,947	1966	27,126,243	1978	24,815,577
1955	11,183,607	1967	25,314,759	1979	30,913,888
1956	12,755,580	1968	25,039,195	1980	40,354,032
1957	13,210,633	1969	22,706,384	1981	45,706,999
1958	14,259,279	1970	22,000,300	1982	46,785,230*
1959	17,871,950	1971	21,654,201		
1960	21,992,945	1972	20,624,199		
1961	23,671,115	1973	20,235,104		
1962	25,175,563	1974	19,696,849		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Preliminary.

TABLE 9.06

CRUDE OIL REFINED IN NORTH DAKOTA, 1955-1982

Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)
1955	2,523,458	1965	16,322,062	1975	17,655,924
1956	11,899,209	1966	17,490,515	1976	18,843,577
1957	12,735,432	1967	17,114,645	1977	18,697,088
1958	11,549,061	1968	18,580,994	1978	18,825,737
1959	13,985,838	1969	16,929,911	1979	22,079,638
1960	15,757,492	1970	18,186,331	1980	19,253,916
1961	15,532,541	1971	18,311,020	1981	18,071,968
1962	16,060,590	1972	19,044,996	1982	18,919,214
1963	16,102,955	1973	18,084,524		
1964	16,510,724	1974	17,013,196		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Does not include data for Queen City Refinery (Dickinson) for 1955-1957. Post-1957 data includes statistics for Amoco Refinery (Mandan) and Westland Oil Refinery (Williston). Data since 1975 includes Northland Oil and Refining Co. (Dickinson).

TABLE 9.07

BARRELS OF PETROLEUM PRODUCED IN NORTH DAKOTA BY COUNTY, SELECTED YEARS, 1955-1982

County	1955	1960	1965	1970
Billings	228,525	478,461	1,252,388	1,800,894
Bottineau	351,490	2,293,743	2,679,714	2,802,373
Bowman	-------	53,229	706,300	748,731
Burke	109,022	3,963,098	3,393,368	1,866,775
Divide	-------	459,115	293,482	290,493
Dunn	-------	39,617	23,949	11,642
Golden Valley	-------	-------	-------	58,129
Hettinger	-------	-------	-------	-------
McHenry	-------	7,643	54,712	21,443
McKenzie	900,656	6,084,982	7,537,692	4,035,796
Mercer	-------	-------	-------	-------
Mountrail	2,294,646	1,598,450	1,129,120	677,716
Renville	3,183	781,427	2,521,807	1,678,887
Slope	-------	-------	-------	44,714
Stark	5,362	8,317	103,714	1,966,394
Ward	-------	-------	7,246	359,487
Williams	7,290,723	6,209,749	6,642,290	5,636,826

County	1975	1979	1980	1981
Billings	2,115,634	7,075,233	14,458,733	19,532,475
Bottineau	2,485,724	2,606,895	2,662,066	2,631,171
Bowman	1,437,371	1,632,126	1,532,850	1,472,330
Burke	1,024,181	708,439	718,143	758,046
Divide	234,182	221,023	271,999	433,490
Dunn	43,505	2,747,452	2,755,447	2,562,628
Golden Valley	49,163	286,381	450,165	583,735
Hettinger	-------	-------	36,920	35,050
McHenry	19,307	12,785	13,650	21,562
McKenzie	4,257,177	7,536,579	8,988,573	9,632,751
Mercer	-------	-------	1,052	4,467
Mountrail	303,754	359,950	604,944	484,844
Renville	1,801,356	1,398,319	1,394,243	1,512,156
Slope	79,468	51,139	41,691	43,394
Stark	1,908,833	1,611,433	1,574,162	1,206,299
Ward	174,944	85,769	166,398	134,491
Williams	4,516,452	4,579,775	4,688,054	4,656,316

TABLE 9.07--Continued

County	1982*
Billings	18,224,224
Bottineau	2,551,810
Bowman	1,421,488
Burke	1,366,793
Divide	508,853
Dunn	3,699,252
Golden Valley	622,144
Hettinger	30,481
McHenry	18,416
McKenzie	10,589,153
Mercer	2,274
Mountrail	400,166
Renville	1,463,026
Slope	72,013
Stark	1,321,274
Ward	93,944
Williams	4,816,007

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Preliminary.

TABLE 9.08

NORTH DAKOTA NATURAL GAS PRODUCTION (WET GAS), 1964-1982

Year	Production (MCF)*	Year	Production (MCF)*
1964	38,902,616	1975	28,885,656
1965	42,510,950	1976	27,668,894
1966	46,404,759	1977	29,192,629
1967	46,167,447	1978	33,403,000
1968	47,012,458	1979	38,029,921
1969	42,801,006	1980	49,840,857
1970	40,837,884	1981	NA
1971	38,312,342	1982	NA
1972	39,062,831		
1973	37,799,970		
1974	30,863,612		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* MCF - Thousand standard cubic feet.

TABLE 9.09

NATURAL GAS PROCESSED IN NORTH DAKOTA, 1954-1982

Year	Gas Processed* (MCF)	Year	Gas Processed* (MCF)
1954	1,371,523	1970	36,065,323
1955	10,379,404	1971	33,901,073
1956	11,669,466	1972	32,649,853
1957	13,994,595	1973	29,927,629
1958	14,391,876	1974	33,213,737
1959	14,960,430	1975	32,911,780
1960	17,583,538	1976	30,990,641
1961	16,490,063	1977	31,377,345
1962	25,355,554	1978	30,983,214
1963	33,886,694	1979	32,385,039
1964	36,867,034	1980	41,805,457
1965	39,755,412	1981	51,667,525
1966	42,538,208	1982	56,346,000
1967	40,682,575		
1968	41,018,768		
1969	37,612,599		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Technically, data represent wet gas received by gas plants.

TABLE 9.02

NORTH DAKOTA LIGNITE PRODUCTION (TONS) BY COUNTY, SELECTED FISCAL YEARS, 1950-1982

County	1950	1955	1960	1965	1970
Adams	64,053	15,077	19,141	22,461	14,165
Billings	764	-----	-----	-----	-----
Bowman	11,326	169,377	145,999	108,789	152,333
Burke	450,631	480,325	421,162	512,633	606,222
Burleigh	17,111	17,752	14,132	8,213	-----
Divide	265,883	292,898	233,319	-----	-----
Dunn	12,748	13,180	6,922	2,857	-----
Golden Valley	3,794	500	377	352	-----
Grant	23,847	25,817	26,175	20,331	8,955
Hettinger	14,261	13,649	7,374	3,300	-----
McKenzie	7,395	1,412	965	-----	-----
McLean	406,490	210,160	83,610	50,093	18,384
Mercer	1,192,096	1,018,221	1,004,440	1,385,371	3,674,295
Morton	31,637	29,301	24,253	19,972	7,360
Mountrail	2,590	150	-----	-----	-----
Oliver	7,938	7,494	10,445	7,333	1,893
Slope	340	-----	-----	-----	-----
Stark	117,333	90,502	35,775	77,493	120,966
Ward	557,102	582,292	484,415	534,763	389,473
Williams	25,195	11,618	4,187	4,151	7,782
Total	3,212,534	2,979,725	2,522,691	2,758,112	5,001,828

TABLE 9.02--Continued

County	1975	1979	1980	1981	1982
Adams	25,476	25.891	35,433	49,819	36,971
Billings	-----	-----	-----	-----	-----
Bowman	800,573	2,954,004	2,874,730	2,770,682	2,457,071
Burke	439,739	440,638	472,487	418,072	359,578
Burleigh	-----	-----	-----	-----	-----
Divide	-----	-----	-----	-----	-----
Dunn	-----	-----	-----	-----	-----
Golden Valley	-----	-----	-----	-----	-----
Grant	5,000	5,101	4,690	6,940	5,996
Hettinger	-----	-----	-----	-----	-----
McKenzie	-----	-----	-----	-----	-----
McLean	-----	696,923	2,117,310	3,235,485	4,050,670
Mercer	3,780,220	5,717,918	4,551,977	3,772,138	3,497,411
Morton	-----	-----	-----	-----	-----
Mountrail	-----	-----	-----	-----	-----
Oliver	1,553,215	4,493,679	5,419,667	6,255,507	6,937,089
Slope	-----	-----	-----	-----	-----
Stark	158,447	154,385	218,890	155,745	164,305
Ward	339,417	290,606	326,291	355,153	110,205
Williams	9,340	-----	80,765	17,838	1,321,250
Total	7,111,427	14,778,695	16,102,240	17,337,380	17,632,508

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years; North Dakota Public Service Commission, Reclamation and Siting Division; and North Dakota State Industrial Commission.

TABLE 9.03

TONS OF COAL SEVERED IN NORTH DAKOTA AND TOTAL SEVERANCE TAX PAID BY COUNTY, FISCAL YEARS, 1979-1981

County	FY 1979		FY 1980		FY 1981	
	Tonnage	Total Tax	Tonnage	Total Tax	Tonnage	Total Tax
Adams	25,891	$ 20,716	35,433	$ 31,185	49,819	$ 45,676
Bowman	2,954,004	2,380,296	2,874,730	2,550,386	2,770,682	2,569,188
Burke	440,638	366,006	472,487	412,774	418,072	390,961
Grant	5,101	4,362	4,690	4,055	6,940	6,561
McLean	696,923	583,600	2,117,310	1,867,447	3,235,485	3,007,277
Mercer	5,717,468	4,612,881	4,551,977	4,007,781	3,772,138	3,497,734
Oliver	4,493,679	3,639,370	5,419,667	4,824,551	6,255,507	5,822,599
Stark	154,385	126,418	218,890	195,216	155,745	143,664
Ward	290,606	236,575	326,291	291,240	355,154	329,511
Williams	---------	---------	80,765	55,722	17,838	16,380
Total	14,778,695	$11,970,225	16,102,240	$14,240,357	17,037,381	$15,829,551

SOURCE: North Dakota State Tax Commissioner's Biennial Report, various years.

TABLE 9.10

NET OIL AND GAS GROSS PRODUCTION TAX REVENUE COLLECTIONS BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982

(Gross Collections Less Refunds)

County	1970	1979	1980	1981	1982
Billings	$ 231,882.15	$ 674,703.29	$ 3,001,765.48	$ 6,106,518.99	$ 3,200,000.00
Bottineau	323,296.09	365,003.58	596,085.91	883,845.34	1,524,684.91
Bowman	72,750.83	323,076.37	384,187.67	567,273.45	1,186,881.25
Burke	288,604.54	225,592.41	364,178.76	402,406.57	858,119.24
Divide	42,318.57	70,760.26	161,393.16	254,442.14	455,179.63
Dunn	2,009.53	466,058.84	719,867.05	1,023,247.46	1,871,219.43
Golden Valley	6,395.12	35,738.28	268,647.07	321,739.06	573,005.76
Hettinger	---------	---------	13,383.90	36,113.74	39,531.93
McHenry	3,528.97	6,401.10	13,565.02	24,009.78	14,725.89
McKenzie	705,010.11	978,614.77	1,833,767.17	3,283,124.70	4,000,000.00
Mercer	---------	---------	---------	2,063.78	5,014.95
Mountrail	108,748.83	55,730.74	313,248.63	357,125.22	401,985.89
Renville	200,593.65	292,295.05	389,884.83	559,922.20	1,180,610.74
Slope	8,287.36	16,528.62	16,570.79	49,877.92	41,048.99
Stark	182,355.74	324,901.43	374,322.20	537,365.72	986,818.90
Ward	44,211.34	19,262.53	78,140.57	163,693.46	98,463.65
Williams	970,124.59	654,867.26	987,077.46	1,650,335.41	2,310,750.95
Penalty	1,600.00	---------	---------	---------	---------
Total	3,191,717.42	4,509,534.53	9,516,085.67	16,233,105.00	18,808,042.11

SOURCE: North Dakota State Treasurer, Oil and Gas Gross Production Distribution Report, various years.

Note: Revenue from gross oil and gas production tax is distributed between the producing county and state General Fund in the following manner: one-fifth of annual revenue is placed in State General Fund and the remaining four-fifths is distributed between the General Fund and the counties on a graduated basis as follows: first $200,000 (75% to County, 25% to General Fund), second $200,000 (50% to County, 50% to General Fund), and amounts over $400,000 (25% to County, 75% to General Fund). Within the county, 40% of funds are allocated to county road and bridge funds, 45% are allocated to county school districts, and 15% are allocated to incorporated cities.

TABLE 9.11

TOTAL GAS SALES BY COMPANY IN NORTH DAKOTA, SELECTED YEARS, 1950-1980

(In Thousand Cubic Feet)

Year	Montana-Dakota Utilities Co.[1]	Northern States Power Co.	Otter Tail Power Co.[2]	White Gas Inc.[3] (Cenex)	Consumer's Gas Co.	Great Plains Natural Gas Co.	Total[4]
1950	10,174,809	370,109	11,836	------	10,573	-------	10,643,382
1955	20,510,020	347,258	11,155	------	11,220	-------	20,925,644
1960	23,081,023	399,635	17,816	------	9,295	-------	23,508,540
1965	12,386,981	3,218,965	31,360	5,440	------	-------	15,642,746
1967	12,665,876	3,965,094	29,128	28,901	------	100,233	16,789,232
1968	12,490,065	4,172,348	25,327	31,331	------	156,216	16,875,287
1969	13,682,663	4,410,959	27,203	27,842	------	186,110	18,334,777
1970	14,024,233	4,951,779	24,004	21,534	------	231,822	19,253,372
1971	14,315,240	5,144,475	8,794	22,403	------	254,366	19,745,274
1972	16,130,139	5,433,358	------	23,743	------	270,418	21,857,658
1973	15,826,984	5,379,763	------	22,066	------	266,473	21,495,286
1974	18,543,641	5,871,899	------	20,433	------	273,982	24,709,955
1975	19,641,192	5,526,465	------	22,140	------	287,598	25,477,395
1976	19,063,216	5,326,800	------	21,039	------	259,232	24,670,287
1977	18,456,280	4,914,882	------	21,282	------	259,721	23,652,165
1978	19,979,555	4,987,965	------	21,932	------	265,497	25,254,949
1979	20,307,199	5,306,101	------	14,845	------	284,338	25,912,483
1980	17,200,259	4,815,633	------	18,894	------	261,892	22,296,678

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Data for 1961 and earlier include the entire Baker-Boudoin-Worland System.

[2] Gas operations discontinued February 21, 1971.

[3] Began operations November 15, 1965 and was acquired by Cenex on January 1, 1979.

[4] Figures represent sales of all gas (i.e., natural gas, LPG, manufactured gas). Refer to Annual Reports cited above for specifics.

TABLE 9.12

AVERAGE PER CUSTOMER GAS SALES (MCF)[1] TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY COMPANY, SELECTED YEARS, 1940-1980

	Type[2]	Residential	Commercial	Industrial	Interdepartmental	Sales to Public Authorities
1940	A					
Central Elec. & Telephone		13.20	48.90[3]		----------	--------
Minot Gas		17.10	97.60		----------	--------
Montana-Dakota Utilities		129.00	829.30		----------	--------
Northern States Power, Fargo		18.90	100.60		----------	46.80
Northern States Power, Gr. Forks		19.20	88.00		----------	--------
Wahpeton Gas		25.10	34.40		----------	--------
1950						
Consumers Gas	LP	30.35	247.06		----------	--------
Minot Gas	LP	25.98	973.44		----------	--------
Montana-Dakota Utilities	LP	33.32	80.94		----------	--------
Montana-Dakota Utilities	N	223.98	817.59	9,790.13	119,229.50	--------
Northern States Power, Fargo	M	21.92	226.11		----------	--------
Northern States Power, Gr. Forks	LP	13.87	99.58		----------	--------
Otter Tail Power	LP	11.44	92.02		----------	--------
1960						
Montana-Dakota Utilities	N	174.04	829.37	16,594.82	35,154.00	--------
Northern States Power	All Gas	24.30	194.85		----------	--------
Consumers Gas	LP	46.52	170.70		----------	--------
Montana-Dakota Utilities	LP	36.55	157.43	1,332.67	----------	--------
Otter Tail Power	LP	26.46	180.65		----------	--------
1970						
Montana-Dakota Utilities	N	201.70	1,418.29	134,404.86	385,319.00	--------
Northern States Power	N	131.96	1,635.20		----------	--------
Great Plains Natural Gas	N	143.89	822.12	----------	----------	3,049.71
White Gas	LP	58.52	244.94	----------	----------	--------
Montana-Dakota Utilities	LP	60.30	370.80	----------	----------	--------
Otter Tail Power	LP	55.48	417.00	----------	----------	--------

TABLE 9.12--Continued

	Type[2]	Residential	Commercial	Industrial	Interdepartmental	Sales to Public Authorities
1976						
Montana-Dakota Utilities	N	173.11	1,528.06	204,435.60	44,185.00	--------
Northern States Power	N	124.28	1,276.92[3]		----------	--------
Great Plains Natural Gas	N	130.71	601.75	----------	----------	1,028.75
White Gas	LP	43.47	358.50	----------	----------	--------
1977						
Montana-Dakota Utilities	N	166.42	1,348.48	163,361.50	46,325.00	--------
Northern States Power	N	114.95	1,151.50		----------	--------
Great Plains Natural Gas	N	127.15	605.34	----------	----------	1,269.05
White Gas	LP	45.26	368.31	----------	----------	--------
1978						
Montana-Dakota Utilities	N	179.10	1,457.38	130,714.00	22,121.00	--------
Northern States Power	N	120.23	1,155.36		----------	--------
Great Plains Natural Gas	N	132.21	706.64	----------	----------	--------
White Gas[4]	LP	47.09	370.00	----------	----------	--------
1979						
Montana-Dakota Utilities	N	177.00	1,404.30	124,593.50	18,889.00	--------
Northern States Power	N	128.89	1,228.89		----------	--------
Great Plains Natural Gas	N	131.86	844.63	----------	----------	--------
Cenex	LP	25.56	269.69	----------	----------	--------
1980						
Montana-Dakota Utilities	N	139.45	1,157.22	117,971.00	16,453.00	--------
Northern States Power	N	108.03	1,180.83		----------	--------
Great Plains Natural Gas	N	113.24	706.64	----------	----------	--------
Cenex	LP	41.09	370.00	----------	----------	--------

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] MCF--Thousand standard cubic feet.

[2] A--Not available by type. LP--Liquified Petroleum. N--Natural Gas. M--Manufactured Gas.

[3] Combined commercial and industrial. [4] White Gas was acquired by Cenex on January 1, 1979.

TABLE 9.13

AVERAGE NUMBER OF GAS* CUSTOMERS IN NORTH DAKOTA BY COMPANY AND CLASS, 1975-1980

	Montana-Dakota Utilities Co.	Northern States Power Co.	Great Plains Natural Gas Co.	White Gas, Inc. (Cenex beginning in 1979)
1975				
Residential	43,118	18,469	1,013	344
Commercial/Industrial	6,340	2,255	167	16
Other	1	------	22	---
Total	49,459	20,724	1,202	360
1976				
Residential	45,863	18,962	1,057	352
Commercial/Industrial	6,587	2,326	167	16
Other	1	------	20	---
Total	52,451	21,288	1,244	368
1977				
Residential	49,035	19,087	1,048	340
Commercial/Industrial	6,880	2,360	167	16
Other	1	------	20	---
Total	55,196	21,447	1,235	356
1978				
Residential	50,930	18,875	1,030	340
Commercial/Industrial	6,903	2,353	183	16
Other	1	------	-----	---
Total	57,834	21,228	1,213	356
1979				
Residential	53,195	18,695	1,029	412
Commercial/Industrial	7,216	2,357	176	16
Other	1	------	-----	---
Total	60,412	21,052	1,205	428
1980				
Residential	56,301	18,475	1,037	435
Commercial/Industrial	7,560	2,388	180	18
Other	1	------	-----	---
Total	63,862	20,863	1,217	453

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* White Gas (Cenex) sells liquefied petroleum gas. The others sell natural gas.

TABLE 9.14

NORTH DAKOTA ELECTRIC POWER GENERATION AND EXPORTATION, 1970-1980*
(In Kilowatt Hours)

Year	KWH Generated	KWH For Export	Per- cent
1970	7,021,317,672	3,821,760,482	54%
1971	8,174,928,320	4,827,365,240	59
1972	8,763,536,790	5,103,029,119	58
1973	7,783,256,199	3,996,185,036	51
1974	8,476,046,550	4,415,374,941	52
1975	8,518,402,651	3,993,653,311	47
1976	10,450,128,134	5,547,086,787	53
1977	10,382,500,715	5,218,946,941	50
1978	12,856,497,958	7,132,915,921	55
1979	14,316,412,246	8,091,536,004	57
1980	15,569,249,644	9,297,664,374	60

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Includes generation within North Dakota from investor-owned utilities, co-ops, municipal systems, and the U.S. Bureau of Reclamation.

TABLE 9.15

ELECTRIC POWER CONSUMPTION IN NORTH DAKOTA, 1970-1980 (In Megawatt Hours)

Year	Investor Owned Utilities	Rural Electric Co-ops	Municipal	Line Loss (14%)	Total Consumption
1970	1,554,087	1,085,052	112,480	447,938	3,199,557
1971	1,638,699	1,127,401	112,804	468,659	3,347,563
1972	1,775,930	1,250,763	121,258	512,557	3,660,508
1973	1,849,698	1,278,114	129,074	530,185	3,787,071
1974	1,961,477	1,394,352	136,348	568,494	4,060,672
1975	2,185,306	1,558,384	147,594	633,465	4,524,749
1976	2,386,653	1,664,873	165,089	686,426	4,903,041
1977	2,524,092	1,752,161	164,403	722,898	5,163,554
1978	2,826,750	1,921,856	173,674	801,301	5,723,582
1979	2,524,092	1,752,161	164,403	722,898	5,163,554
1980	2,826,750	1,921,856	173,674	801,301	5,723,582

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

TABLE 9.16

KILOWATT HOURS OF ELECTRICITY SOLD IN NORTH DAKOTA BY INVESTOR-OWNED UTILITIES AND BY RURAL ELECTRIC COOPERATIVES, SELECTED YEARS, 1930-1980

Year	Investor-Owned Utilities (KWH Sold)	Rural Electric Cooperatives (KWH Sold)
1930*	80,085,396	------------
1940	141,568,279	------------
1950	439,513,486	142,178,415
1960	827,415,416	375,950,982
1965	1,146,161,610	778,481,303
1970	1,717,028,677	1,085,052,340
1975	2,398,746,321	1,558,383,992
1976	2,762,488,177	1,664,872,962
1977	2,830,384,367	1,752,160,799
1978	3,034,680,113	1,921,855,969
1979	3,342,240,174	2,108,376,349
1980	3,326,703,813	2,117,927,802

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* 26 of 44 utilities reporting.

TABLE 9.22

GASOLINE AND SPECIAL FUELS SALES, NORTH DAKOTA, FISCAL YEARS, 1953-1981 (In Gallons)

Fiscal Year	Gasoline Sales*	Special Fuels Sales**
1953	286,304,469	5,664,988
1954	299,816,127	5,433,217
1955	308,502,823	6,164,230
1956	307,439,133	60,061,128
1957	317,888,656	74,064,382
1958	322,886,117	81,010,932
1959	326,905,881	83,334,905
1960	301,234,847	228,022,918
1961	343,177,227	244,302,683
1962	316,309,734	275,198,329
1963	339,724,639	318,020,672
1964	343,070,390	320,975,503
1965	352,684,567	350,172,331
1966	363,599,906	337,761,381
1967	353,099,398	355,763,909
1968	362,552,926	363,458,450
1969	393,670,860	401,536,458
1970	362,161,413	379,163,880
1971	394,075,077	435,941,820
1972	426,963,979	451,583,481
1973	442,504,921	461,082,741
1974	438,432,343	453,498,844
1975	435,577,680	453,006,566
1976	471,705,286	487,954,811
1977	489,550,180	500,726,675
1978	492,275,804	538,480,476
1979	370,865,525	70,272,749
1980	339,258,182	493,730,997
1981	323,989,420	434,882,660

SOURCE: North Dakota Tax Dept., Biennial Report, various years.

* Gross sales reported to North Dakota Tax Department.

** Variations in special fuels sales reported herein are attributable to changes in the special fuels law over the years. In 1955 the "user" type law was replaced by a "dealer" law whereby dealers became responsible for collecting and remitting tax. In 1959 a 2¢ tax was levied on fuel sold for heating, agricultural, or railroad purposes. Prior to July 1, 1959 such fuel was tax exempt. Caution must be exercised when comparing pre-1959 sales with subsequent years.

10.00

CONSTRUCTION

This section contains information on construction activity in North Dakota. The construction industry is important to monitor because its cyclical character greatly influences the overall level of economic activity in numerous other sectors of the economy and also because the pace of construction activity reflects the growth and replenishment of the state's capital stock and social infrastructure.

The most important source of construction data in this section is a monthly report entitled "Permit-Authorized Construction in Selected Permit-Issuing Places," prepared by the Construction Statistics Division of the U.S. Bureau of the Census. These photocopied reports, generated from computer files in the Census Bureau, provide detailed breakdowns of permit-authorized construction by type of building for most counties and certain cities in the state.

Historical summary data on the value of construction contracts, estimates of the number of households in North Dakota, and data comparing levels of construction activity among states have been obtained from the Statistical Abstract of the United States. Estimates of construction employment have been taken from data provided by the Commerce Department's Bureau of Economic Analysis in its Regional Economics Information System computer printouts.

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TABLE 9.17

AVERAGE KWH ELECTRICITY SALES TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY INVESTOR-OWNED UTILITIES, SELECTED YEARS, 1940-1980

	Residential or Domestic	Rural	Commercial & Industrial	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1940						
Central Elec. & Telephone	736	671	1,177	6,517	11,864	----------
Interstate Power	849	1,203	1,610	5,905	2,442	----------
Montana-Dakota Utilities	689	749	2,243	8,722	33,472	----------
Dakota Public Service	916	3,549	3,752	15,985	101,983	----------
Northern States Power, Fargo	1,036	3,966	8,505	279,570	192,916	----------
Northern States Power, Gr. Forks	948	1,789	3,709	46,838	97,031	----------
Northern States Power, Minot	1,144	6,424	5,222	110,782	657,300	----------
Otter Tail Power	1,000	1,495	2,605	5,754	7,666	----------
1950						
Montana-Dakota Utilities	1,982	3,742	8,334	26,451	67,881	12,195,540
Northern States Power, Fargo	2,007	3,897	15,628	257,833	235,297	----------
Northern States Power, Gr. Forks	1,970	3,180	9,833	114,804	153,233	2,150,700
Northern States Power, Minot	2,053	8,081	11,069	141,900	1,178,732	----------
Otter Tail Power	2,104	3,880	5,641	11,361	46,119	1,306,093
1960						
Montana-Dakota Utilities	3,724	-----	13,910	65,085	125,883	23,622,051
Northern States Power	3,245	-----	23,488	341,618	215,929	3,596,400
Otter Tail Power	3,997	-----	8,538	29,107	50,516	508,832
1970						
Montana-Dakota Utilities	5,522	-----	26,837	140,050	185,554	23,347,562
Northern States Power	6,170	-----	49,316	62,853	247,061	----------
Otter Tail Power	6,859	-----	18,410	47,725	34,347	9,289,942

TABLE 9.17--Continued

	Residential or Domestic	Rural	Commercial & Industrial	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1976						
Montana-Dakota Utilities	6,735	-----	38,336	164,711	246,968	12,591,241
Northern States Power	7,372	-----	65,414	67,759	264,577	----------
Otter Tail Power	8,894	-----	36,215	56,277	66,318	26,518,591
1977						
Montana-Dakota Utilities	6,762	-----	39,866	173,200	291,270	9,443,109
Northern States Power	7,548	-----	67,174	68,966	265,063	315,826
Otter Tail Power	8,949	-----	38,816	58,149	48,008	18,258,832
1978						
Montana-Dakota Utilities	7,261	-----	43,567	178,089	319,242	----------
Northern States Power	8,129	-----	68,780	69,782	267,495	----------
Otter Tail Power	9,594	-----	48,740	59,288	42,560	23,103,325
1979						
Montana-Dakota Utilities	7,435	-----	45,537	184,257	336,816	----------
Northern States Power	8,668	-----	71,675	73,037	269,196	----------
Otter Tail Power	10,051	-----	55,646	60,444	43,598	30,926,102
1980						
Montana-Dakota Utilities	7,226	-----	46,914	189,743	368,457	----------
Northern States Power	8,386	-----	71,279	71,203	275,051	----------
Otter Tail Power	9,628	-----	56,038	61,434	45,480	24,739,797

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

TABLE 9.18

KWH ELECTRICITY SALES OF INVESTOR-OWNED UTILITIES IN NORTH DAKOTA BY COMPANY, SELECTED YEARS, 1940-1980
(In Thousands of KWH)

Company	1940	1950	1955	1960	1965
Montana-Dakota Utilities	11,052	123,157	183,023	273,674	343,794
Northern States Power	51,712	138,831	204,866	303,992	458,490
Otter Tail Power	47,896	180,526	179,719	249,749	343,877
Total	141,568*	439,514	567,607	827,415	1,146,162

Company	1970	1972	1973	1974	1975
Montana-Dakota Utilities	519,145	645,264	657,956	626,833	714,922
Northern States Power	634,558	727,492	750,641	793,654	868,489
Otter Tail Power	563,326	600,719	612,353	657,929	814,835
Total	1,717,029	1,973,475	2,020,950	2,078,415	2,398,746

Company	1976	1977	1978	1979	1980
Montana-Dakota Utilities	814,444	829,307	761,852	814,648	843,775
Northern States Power	934,449	998,940	1,081,075	1,163,826	1,162,477
Otter Tail Power	1,013,594	1,002,137	1,191,753	1,363,766	1,320,452
Total	2,762,488	2,830,384	3,034,680	3,342,240	3,326,704

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Includes sales by Central Electric and Telephone Co., Interstate Power Company, and Dakota Public Service Co. (2,346,700; 857,412 and 27,703,748 KWH, respectively).

TABLE 9.19

KWH SALES OF ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1950-1980

Electric Cooperative	1950*	1960*	1970	1972	1973	1974
Baker	5,948	24,406	54,474	62,550	64,997	72,929
Burke-Divide	754	10,183	31,548	40,610	36,385	37,042
Capitol	939	9,088	29,009	38,622	42,699	49,117
Cass County	11,050	40,514	94,306	114,468	125,307	141,850
Cavalier Rural	939	7,888	32,660	42,251	44,592	48,451
Goldenwest	1,075	2,294	3,468	8,185	8,304	4,331
James Valley	2,376	17,628	35,651	41,558	42,925	47,024
KEM	549	15,608	28,457	32,577	33,402	36,193
Lower Yellowstone Rural	NA	1,438	2,865	3,098	3,061	4,957
McKenzie	743	9,801	24,716	30,371	29,587	34,162
McLean	7,614	9,496	30,221	34,051	34,255	37,945
Mor-Gran-Sow	1,371	18,041	39,697	47,703	49,288	54,114
Mountrail	1,093	4,316	31,432	33,599	33,358	35,428
Nodak Rural	16,270	56,573	199,664	235,143	238,360	244,746
North Central	2,522	14,891	54,042	60,702	61,341	66,496
Oliver-Mercer	983	7,008	23,343	25,033	26,256	31,926
RSR	4,097	13,739	25,325	28,209	29,010	40,123
Sheridan County	415	3,594	4,206	3,737	3,690	3,713
Sheyenne Valley	3,139	12,526	51,715	53,729	54,231	57,256
Slope	997	12,025	23,937	28,032	28,493	33,102
Traverse	------	-------	360	201	205	233
Tri-County	3,863	22,229	46,269	52,570	53,715	59,642
Verendrye	5,206	37,230	151,999	156,210	154,850	161,382
West Plains	3,684	15,195	45,862	53,000	53,401	64,011
Williams	1,710	10,139	19,828	24,552	26,404	28,182
Total	77,338	375,951	1,085,052	1,250,763	1,278,114	1,394,352

TABLE 9.19--Continued

Electric Cooperative	1975	1976	1977	1978	1979	1980
Baker	77,576	81,553	84,274	89,665	99,952	91,976
Burke-Divide	37,236	38,144	39,142	41,499	41,574	39,946
Capitol	54,427	62,852	70,735	80,490	86,589	85,191
Cass County	161,287	184,073	198,678	223,426	255,071	257,259
Cavalier Rural	51,587	47,072	40,325	40,679	43,409	42,670
Goldenwest	4,530	4,555	4,689	4,955	5,237	4,930
James Valley	52,882	58,149	53,393	62,904	65,934	65,184
KEM	38,855	42,266	42,897	43,925	46,365	45,681
Lower Yellowstone Rural	5,109	5,311	5,842	7,103	6,058	15,745
McKenzie	38,276	40,448	44,658	57,210	93,052	116,184
McLean	40,339	42,555	53,600	64,453	58,550	49,699
Mor-Gran-Sow	60,933	64,412	69,607	69,277	80,257	76,462
Mountrail	33,777	34,551	35,370	38,171	40,154	41,457
Nodak Rural	285,255	302,307	323,160	352,839	378,186	375,768
North Central	70,686	73,964	77,043	87,101	97,239	98,469
Oliver-Mercer	44,996	54,955	62,833	66,128	81,533	86,140
RSR	62,786	68,226	66,181	81,616	86,873	84,183
Sheridan County	4,015	4,849	5,528	5,246	5,402	4,652
Sheyenne Valley	60,332	61,462	61,480	64,308	68,890	68,544
Slope	37,696	41,047	44,190	49,574	50,737	49,024
Traverse	254	256	339	385	403	327
Tri-County	65,906	71,435	74,675	79,570	86,579	87,634
Verendrye	169,225	171,464	176,285	184,635	189,097	184,344
West Plains	71,170	76,303	82,491	89,076	95,791	95,791
Williams	29,247	32,665	34,745	37,620	45,445	50,668
Total	1,558,384	1,664,873	1,752,170	1,921,856	2,108,376	2,117,928

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for 1950 and 1960 represent fiscal years.

NA Data not available.

TABLE 9.20

AVERAGE MONTHLY KILOWATT HOUR SALES PER CUSTOMER FOR ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1950-1980

Electric Cooperative	1950*	1960*	1970	1973	1974	1975	1976	1977	1978	1979	1980
Baker	191	462	1,026	1,176	1,306	1,391	1,435	1,470	1,547	1,708	1,548
Burke-Divide	92	487	1,343	1,567	1,559	1,553	1,594	1,628	1,726	1,741	1,671
Capitol	96	439	911	1,021	1,084	1,154	1,246	1,294	1,393	1,434	1,339
Cass County	178	514	1,089	1,355	1,466	1,620	1,771	1,838	1,979	2,177	2,172
Cavalier Rural	58	377	1,582	2,079	2,249	2,370	2,168	1,890	1,917	2,069	2,055
Goldenwest	274	482	696	784	806	835	827	878	864	907	838
James Valley	107	443	948	1,122	1,217	1,329	1,439	1,310	1,538	1,592	1,594
KEM	43	451	759	840	940	999	1,072	1,081	1,102	1,165	1,143
Lower Yellowstone Rural	NA	405	671	613	1,105	1,007	979	1,043	992	962	2,034
McKenzie	92	433	898	1,060	1,159	1,288	1,317	1,439	1,751	2,683	2,995
McLean	516	445	1,177	1,254	1,379	1,385	1,431	1,729	2,047	1,867	1,551
Mor-Gran-Sow	138	477	932	988	1,047	1,149	1,209	1,223	1,199	1,367	1,288
Mountrail	85	195	1,359	1,377	1,437	1,338	1,375	1,377	1,470	1,491	1,474
Nodak Rural	175	520	1,855	2,130	2,152	2,478	2,494	2,621	2,798	2,951	2,938
North Central	113	367	1,061	1,132	1,203	1,247	1,258	1,255	1,372	1,506	1,501
Oliver-Mercer	105	423	1,281	1,260	1,400	1,897	2,184	2,364	2,139	2,494	2,495
RSR	148	469	870	979	1,328	2,066	2,217	2,139	2,621	2,803	2,728
Sheridan County	144	1,077	1,313	1,126	1,121	1,221	1,448	1,639	1,595	1,649	1,415
Sheyenne Valley	118	453	1,934	1,918	1,981	2,027	1,955	1,898	1,948	2,169	2,136
Slope	119	471	885	978	1,090	1,210	1,270	1,329	1,480	1,498	1,423
Traverse	----	-----	1,877	1,136	1,140	1,247	1,336	1,567	1,686	1,866	1,512
Tri-County	136	404	849	954	1,044	1,135	1,213	1,237	1,307	1,436	1,447
Verendrye	155	691	2,452	2,251	2,190	2,236	2,206	2,231	2,326	2,349	2,224
West Plains	273	573	1,508	1,631	1,882	2,025	2,103	2,188	2,272	2,286	2,286
Williams	115	557	857	1,064	1,146	1,170	1,228	1,270	1,287	1,448	1,379
All Cooperatives (Average)	157	478	1,273	1,393	1,487	1,625	1,683	1,722	1,838	1,979	1,943

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for years 1950 and 1960 represent fiscal years.

NA Data not available.

TABLE 9.21

AVERAGE NUMBER OF ELECTRIC CUSTOMERS IN NORTH DAKOTA BY COMPANY AND CLASS, SELECTED YEARS, 1950-1980

	Montana-Dakota Utilities Co.	Northern States Power Co.	Otter Tail Power Co.	Total of Electric Distribution Cooperatives
1950				
Residential[1]	25,435	27,677	32,799	58,405[2]
Commercial/Industrial	6,395	5,232	9,728	------
Other	157	51	317	------
Total	31,987	32,960	42,844	58,405
1960				
Residential	34,423	44,724	35,135	65,999[2]
Commercial/Industrial	7,652	5,672	11,066	------
Other	180	92	345	------
Total	42,255	50,488	46,546	65,999
1975				
Residential	43,687	49,686	40,858	79,896
Commercial/Industrial	7,834	7,223	10,839	------
Other	191	361	491	------
Total	51,712	57,270	52,188	79,896
1977				
Residential	47,634	53,968	42,497	84,777
Commercial/Industrial	8,194	7,849	11,109	------
Other	193	403	508	------
Total	56,021	62,220	54,114	84,777
1978				
Residential	49,695	55,554	42,873	87,149
Commercial/Industrial	8,243	8,189	11,222	------
Other	179	414	518	------
Total	58,117	64,157	54,613	87,149

TABLE 9.21--Continued

	Montana-Dakota Utilities Co.	Northern States Power Co.	Otter Tail Power Co.	Total of Electric Distribution Cooperatives
1979				
Residential	51,816	57,260	43,093	88,792
Commercial/Industrial	8,467	8,355	11,047[2]	------
Other	179	424	526	------
Total	60,462	66,039	54,866	88,792
1980				
Residential	54,008	58,340	43,253	90,834
Commercial/Industrial	8,672	8,459	11,230	------
Other	179	432	529	------
Total	62,859	67,231	55,012	90,834

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Includes rural customers.

[2] Fiscal year.

TABLE 10.01

YEAR-ROUND HOUSING UNITS AND OCCUPANCY BY NORTH DAKOTA COUNTY, 1980

County	Year-Round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
NORTH DAKOTA	252,749	156,498	71,166	24,954
Adams	1,534	1,003	330	200
Barnes	5,757	3,499	1,595	658
Benson	3,004	1,800	728	475
Billings	402	295	72	37
Bottineau	3,777	2,600	670	494
Bowman	1,668	1,178	327	160
Burke	1,764	1,186	258	317
Burleigh	20,774	12,858	6,562	1,360
Cass	35,126	19,257	13,356	2,516
Cavalier	3,022	2,131	556	325
Dickey	2,768	1,819	635	308
Divide	1,712	1,072	237	411
Dunn	1,705	1,182	360	158
Eddy	1,509	1,002	340	165
Emmons	2,253	1,644	280	321
Foster	1,781	1,184	439	162
Golden Valley	981	664	186	134
Grand Forks	24,432	11,540	10,568	2,327
Grant	1,736	1,225	273	230
Griggs	1,650	1,083	308	264
Hettinger	1,635	1,198	299	145
Kidder	1,566	1,135	217	254
LaMoure	2,514	1,828	437	248
Logan	1,393	1,069	136	186
McHenry	3,374	2,287	545	543
McIntosh	2,098	1,536	318	238
McKenzie	2,805	1,789	593	406
McLean	5,233	3,349	928	843
Mercer	3,709	2,562	695	476
Morton	9,272	6,592	1,937	747

TABLE 10.01--Continued

County	Year-Round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
Mountrail	3,074	2,046	629	391
Nelson	2,405	1,565	418	427
Oliver	945	654	144	148
Pembina	4,294	2,940	814	545
Pierce	2,360	1,600	513	242
Ramsey	5,165	3,129	1,489	536
Ransom	2,710	1,808	595	305
Renville	1,443	1,035	252	157
Richland	7,113	4,463	1,950	694
Rolette	3,748	2,273	1,152	338
Sargent	2,199	1,559	398	236
Sheridan	1,166	833	174	156
Sioux	1,052	456	464	133
Slope	475	334	54	91
Stark	8,441	5,634	2,198	614
Steele	1,364	856	286	223
Stutsman	9,505	5,965	2,684	859
Towner	1,654	1,119	377	153
Traill	3,856	2,481	946	416
Walsh	5,963	4,061	1,183	711
Ward	21,374	12,437	7,455	1,489
Wells	2,862	1,977	573	301
Williams	8,627	5,706	2,233	681

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, computerized material, Census Users Bureau, University of North Dakota.

TABLE 10.02

ESTIMATED NUMBER OF HOUSEHOLDS IN NORTH DAKOTA, SELECTED YEARS, 1930-1980

Year	Total Households	Year	Total Households
1930	145,000	1977	215,000
1940	153,000	1978	217,000
1950	162,000	1979	NA
1960	173,000	1980	228,000
1970	182,000		
1975	202,000		
1976	211,000		

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 10.03

VALUE OF CONSTRUCTION CONTRACTS IN NORTH DAKOTA, SELECTED YEARS, 1940-1980

Year	Total Value (Millions)	Year	Total Value (Millions)
1940	$ 7	1976	$394
1945	7	1977	727
1950	63	1978	824
1955	85	1979	601
1960	141	1980	456
1965	127	1981	513
1970	296		
1975	865		

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 10.04

VALUE OF CONSTRUCTION CONTRACTS IN THE UNITED STATES, NORTH DAKOTA AND SELECTED STATES, SELECTED YEARS, 1960-1980

(Millions of Dollars)

States	1960	1965	1970	1975
U.S. Total	$ 36,318	$ 49,272	$ 68,294	$ 92,659
NORTH DAKOTA	141	127	296	865
South Dakota	186	112	160	275
Minnesota	661	793	1,094	1,667
Montana	133	219	184	393
Wyoming	121	117	161	229
Nebraska	288	360	334	747

States	1976	1977	1978	1979
U.S. Total	$107,158	$139,723	$159,930	$168,446
NORTH DAKOTA	396	719	824	601
South Dakota	373	459	554	551
Minnesota	1,997	2,705	3,186	3,299
Montana	391	444	554	569
Wyoming	1,611	440	611	595
Nebraska	960	868	1,392	1,043

States	1980	1981
U.S. Total	$148,393	$150,189
NORTH DAKOTA	456	513
South Dakota	421	351
Minnesota	2,746	2,666
Montana	395	2,033
Wyoming	644	578
Nebraska	830	771

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

Note: Includes new structures and alterations to existing structures. Represents value of construction in states in which work was actually done.

TABLE 10.05

PERMIT-AUTHORIZED CONSTRUCTION BY TYPE FOR NORTH DAKOTA COUNTIES, 1981

County	New Residential		New Non-Residential		Additions & Alterations	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	2,578	$90,861	1,119	$145,133	3,834	$40,039
Adams	10	228	1	60	1	10
Barnes	58	1,373	27	609	53	909
Benson	13	476	10	140	2	31
Billings	56	300	23	1,545	---	---
Bottineau	22	910	7	2,080	42	258
Bowman	43	1,359	42	353	4	57
Burke	8	92	11	89	8	21
Burleigh	275	9,347	65	27,309	496	5,480
Cass	211	5,560	60	13,973	665	8,026
Cavalier	27	1,316	3	40	45	286
Dickey	19	592	6	293	44	605
Divide	10	335	9	30	33	134
Dunn	24	860	16	219	9	82
Eddy	3	123	1	5	20	106
Emmons	4	258	---	---	15	43
Foster	15	683	4	144	8	126
Golden Valley	19	555	8	518	---	---
Grand Forks	89	1,622	43	2,471	731	3,499
Grant	6	87	2	540	---	---
Griggs	8	383	1	10	---	---
Hettinger	13	369	7	523	32	136
Kidder	11	194	---	---	2	7
LaMoure	19	392	5	375	22	99
Logan	3	210	9	66	5	38
McHenry	11	277	3	53	6	83
McIntosh	6	204	8	846	13	41
McKenzie	32	1,661	53	2,781	13	820
McLean	47	1,746	22	349	21	128
Mercer	120	3,928	89	3,864	118	583
Morton	157	3,086	105	1,898	118	1,427

TABLE 10.05--Continued

County	New Residential		New Non-Residential		Additions & Alterations	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	24	$ 487	17	$ 32	11	$ 74
Nelson	15	416	5	2,038	3	16
Oliver	39	663	1	300	32	115
Pembina	15	309	6	112	23	94
Pierce	19	710	11	183	21	100
Ramsey	36	1,061	85	827	74	360
Ransom	14	154	13	35,322	25	205
Renville	10	160	2	86	12	43
Richland	34	1,397	13	1,349	108	1,143
Rolette	13	354	6	1,511	21	327
Sargent	12	262	1	13	14	205
Sheridan	8	106	5	16	8	137
Sioux	1	7	1	27	---	---
Slope*	---	---	---	---	---	---
Stark	329	20,035	67	20,147	104	2,376
Steele	1	9	8	7	2	15
Stutsman	67	1,056	32	1,044	72	749
Towner	7	501	6	242	5	24
Traill	7	990	8	590	91	643
Walsh	49	1,096	11	1,142	245	1,075
Ward	194	4,510	84	5,486	313	6,249
Wells	23	389	7	303	4	14
Williams	322	17,294	90	13,868	120	3,042

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit Issuing Places, 1981 Annual Data, photocopy.

* No data included in Construction Division Report.

Note: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 10.06

PERMIT-AUTHORIZED RESIDENTIAL CONSTRUCTION BY TYPE OF DWELLING IN SELECTED PLACES BY NORTH DAKOTA COUNTY, 1981

County	Type of Dwelling						
	Single Family		Multi-Family			Total New Residential	
	Units	Cost (000)	Bldgs.	Units	Cost (000)	Units	Cost (000)
NORTH DAKOTA	1,071	$54,949	160	1,110	$28,951	2,181	$83,899
Adams	5	205	---	---	---	5	205
Barnes	19	1,135	---	---	---	19	1,135
Benson	3	143	2	16	310	19	453
Billings	4	150	---	---	---	4	150
Bottineau	13	590	3	14	295	27	885
Bowman	15	787	---	---	---	15	787
Burke	1	34	---	---	---	1	34
Burleigh	87	6,113	16	69	2,946	156	9,059
Cass	57	3,896	11	64	1,560	121	5,456
Cavalier	19	1,092	1	4	190	23	1,282
Dickey	7	372	1	8	180	15	552
Divide	5	282	---	---	---	5	282
Dunn	19	838	---	---	---	19	838
Eddy	2	105	---	---	---	2	105
Emmons	4	258	---	---	---	4	258
Foster	5	319	2	12	320	17	639
Golden Valley	11	505	---	---	---	11	505
Grand Forks	20	959	6	14	431	34	1,390
Grant	2	65	---	---	---	2	65
Griggs	4	123	2	9	259	13	382
Hettinger	5	270	---	---	---	5	270
Kidder	4	170	---	---	---	4	170
LaMoure	8	351	---	---	---	8	351
Logan	3	210	---	---	---	3	210
McHenry	4	235	---	---	---	4	235
McIntosh	1	41	2	4	149	5	190
McKenzie	16	768	4	36	842	52	1,610
McLean	21	1,114	2	20	443	41	1,556
Mercer	56	2,974	3	14	525	70	3,499
Morton	46	2,116	3	10	174	56	2,289

TABLE 10.06--Continued

County	Type of Dwelling: Single Family Units	Single Family Cost (000)	Multi-Family Bldgs.	Multi-Family Units	Multi-Family Cost (000)	Total New Residential Units	Total New Residential Cost (000)
Mountrail	10	$ 388	---	---	$ ---	10	$ 388
Nelson	3	165	2	6	204	9	369
Oliver	13	580	---	---	---	13	580
Pembina	6	267	---	---	---	6	267
Pierce	7	412	1	8	250	15	662
Ramsey	10	498	1	16	455	26	953
Ransom	3	117	---	---	---	3	117
Renville	2	120	---	---	---	2	120
Richland	12	752	3	28	561	40	1,313
Rolette	6	336	---	---	---	6	336
Sargent	5	232	---	---	---	5	232
Sheridan	1	60	---	---	---	1	60
Sioux	---	---	---	---	---	---	---
Slope	NA	NA	NA	NA	NA	NA	NA
Stark	252	11,893	32	295	7,765	547	19,658
Steele	---	---	---	---	---	---	---
Stutsman	17	716	1	2	43	19	759
Towner	3	230	2	11	270	14	500
Traill	6	390	1	22	600	28	990
Walsh	12	641	10	20	261	32	902
Ward	77	3,116	14	40	924	117	4,041
Wells	6	322	---	---	---	6	322
Williams	154	7,494	35	368	8,992	522	16,487

TABLE 10.06--Continued

County	Type of Dwelling					
	Relocated Residential		Mobile		Res. Garages & Carports	
	Units	Cost (000)	Units	Cost (000)	Units	Cost (000)
NORTH DAKOTA	112	$ 894	297	$2,038	930	$4,029
Adams	---	---	---	---	5	23
Barnes	1	1	5	52	33	185
Benson	2	2	1	6	5	14
Billings	---	---	52	150	---	---
Bottineau	---	---	---	---	6	24
Bowman	10	457	6	47	12	68
Burke	---	---	2	40	5	18
Burleigh	4	8	104	0	62	280
Cass	13	1	5	61	122	414
Cavalier	---	---	---	---	7	34
Dickey	2	21	---	---	9	19
Divide	1	25	2	21	2	7
Dunn	---	---	---	---	5	22
Eddy	---	---	1	18	---	---
Emmons	---	---	---	---	---	---
Foster	4	32	---	---	3	12
Golden Valley	---	---	---	---	8	50
Grand Forks	14	23	---	---	49	208
Grant	---	---	---	---	4	22
Griggs	---	---	2	2	---	---
Hettinger	---	---	6	90	2	9
Kidder	2	1	---	---	5	24
LaMoure	1	15	---	---	10	25
Logan	---	---	---	---	---	---
McHenry	---	---	---	---	7	43
McIntosh	---	---	---	---	3	13
McKenzie	2	14	---	---	10	37
McLean	2	4	8	140	14	46
Mercer	10	1	7	141	44	286
Morton	---	---	38	551	70	246

TABLE 10.06--Continued

County	Type of Dwelling					
	Relocated Residential		Mobile		Res. Garages & Carports	
	Units	Cost (000)	Units	Cost (000)	Units	Cost (000)
Mountrail	1	$ .5	5	$ 69	8	$ 29
Nelson	1	1	1	17	8	29
Oliver	---	---	11	25	15	58
Pembina	---	---	---	---	9	42
Pierce	---	---	---	---	11	48
Ramsey	3	20	6	20	16	68
Ransom	2	15	---	---	9	22
Renville	4	30	---	---	4	10
Richland	2	10	4	46	13	28
Rolette	---	---	---	---	7	18
Sargent	---	---	2	15	5	15
Sheridan	(*)	1	3	40	2	5
Sioux	---	---	---	---	1	7
Slope	NA	NA	NA	NA	NA	NA
Stark	---	---	---	---	45	377
Steele	1	9	---	---	---	---
Stutsman	---	---	5	111	44	185
Towner	1	1	---	---	1	.4
Traill	---	---	---	---	---	---
Walsh	4	95	---	---	23	99
Ward	6	48	3	33	94	388
Wells	---	---	2	20	15	46
Williams	19	58	16	324	98	425

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1981, Annual Data, photocopy.

* Deleted due to apparent error in data source.

Note: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 10.07

NEW NON-HOUSEKEEPING PERMIT-AUTHORIZED CONSTRUCTION BY TYPE IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1981

County	Type of Construction										
	Hotels, Motels, Tourist Accom.			Amusement & Rec. Bldgs.		Churches & Other Rel. Bldgs.		Industrial Bldgs.		Parking Garages	
	Bldgs.	Units	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	46	847	$8,877	17	$1,877	12	$2,571	144	$58,554	44	$508
Adams	--	---	---	--	---	--	---	---	---	--	---
Barnes	--	---	---	1	70	--	---	4	250	--	---
Benson	--	---	---	--	---	--	---	1	37	--	---
Billings	--	---	---	--	---	--	---	5	500	--	---
Bottineau	2	20	890	2	56	--	---	---	---	--	---
Bowman	--	---	---	--	---	--	---	---	---	--	---
Burke	2	7	57	--	---	--	---	---	---	2	6
Burleigh	--	---	---	1	470	1	269	7	1,257	--	---
Cass	--	---	---	1	9	2	390	10	1,358	4	42
Cavalier	--	---	---	--	---	--	---	---	---	--	---
Dickey	--	---	---	--	---	--	---	---	---	--	---
Divide	--	---	---	--	---	--	---	1	25	1	3
Dunn	1	6	65	--	---	--	---	---	---	--	---
Eddy	--	---	---	--	---	--	---	---	---	1	5
Emmons	--	---	---	--	---	--	---	---	---	--	---
Foster	--	---	---	--	---	--	---	---	---	--	---
Golden Valley	1	40	250	--	---	--	---	1	15	--	---
Grand Forks	--	---	---	--	---	1	250	3	330	2	16
Grant	--	---	---	--	---	1	350	---	---	--	---
Griggs	--	---	---	--	---	--	---	1	10	--	---
Hettinger	--	---	---	1	177	--	---	1	9	--	---
Kidder	--	---	---	--	---	--	---	---	---	--	---
LaMoure	--	---	---	--	---	--	---	1	30	--	---
Logan	--	---	---	--	---	--	---	---	---	--	---
McHenry	--	---	---	--	---	--	---	---	---	2	9

TABLE 10.07--Continued

2

County	Type of Construction										
	Hotels, Motels, Tourist Accom.			Amusement & Rec.Bldgs.		Churches & Other Rel. Bldgs.		Industrial Bldgs.		Parking Garages	
	Bldgs.	Units	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
McIntosh	1	30	$ 450	1	$ 220	--	$ ---	---	$ ---	1	$127
McKenzie	29	240	1,980	--	---	--	---	6	195	--	---
McLean	--	---	---	1	42	--	---	1	16	5	20
Mercer	1	72	703	1	20	--	---	3	55	--	---
Morton	--	---	---	1	14	2	920	9	828	1	5
Mountrail	--	---	---	--	---	--	---	---	---	--	---
Nelson	--	---	---	--	---	--	---	2	2,025	--	---
Oliver	--	---	---	--	---	---	---	---	---	--	---
Pembina	--	---	---	--	---	--	---	---	---	--	---
Pierce	--	---	---	--	---	--	---	---	---	--	---
Ramsey	--	---	---	--	---	--	---	1	659	--	---
Ransom	--	---	---	--	---	1	10	1	35,000	1	6
Renville	--	---	---	--	---	--	---	---	---	--	---
Richland	--	---	---	--	---	--	---	5	465	1	16
Rolette	1	22	500	--	---	1	170	---	---	--	---
Sargent	--	---	---	--	---	--	---	---	---	--	---
Sheridan	--	---	---	--	---	--	---	---	---	--	---
Sioux	--	---	---	1	27	--	---	---	---	--	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Stark	4	39	427	--	---	--	---	20	6,603	8	152
Steele	--	---	---	1	1	--	---	---	---	1	4
Stutsman	--	---	---	1	70	2	162	6	215	--	---
Towner	--	---	---	1	177	--	---	---	---	3	52
Traill	--	---	---	--	---	--	---	2	500	2	7
Walsh	--	---	---	1	40	1	50	4	310	--	---
Ward	2	277	2,460	--	---	--	---	---	---	7	30
Wells	--	---	---	--	---	--	---	---	---	2	7
Williams	2	94	1,094	2	485	--	---	49	7,861	--	---

TABLE 10.07--Continued

County	Type of Construction							
	Gasoline & Ser. Stat.		Hospitals & Other Instit.		Office, Bank, & Prof. Bldgs.		Pub. Works & Utilities Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	30	$1,260	10	$20,431	50	$20,772	12	$1,051
Adams	1	60	--	---	--	---	--	---
Barnes	--	---	--	---	1	80	--	---
Benson	--	---	--	---	1	100	--	---
Billings	5	100	--	---	--	---	2	723
Bottineau	--	---	--	---	---	---	--	---
Bowman	3	120	--	---	1	200	--	---
Burke	--	---	--	---	--	---	--	---
Burleigh	--	---	2	15,326	10	8,148	--	---
Cass	2	93	--	---	7	6,271	--	---
Cavalier	--	---	--	---	--	---	--	---
Dickey	1	67	--	---	1	70	--	---
Divide	--	---	--	---	--	---	--	---
Dunn	2	64	--	---	--	---	--	---
Eddy	--	---	--	---	--	---	--	---
Emmons	--	---	--	---	--	---	--	---
Foster	1	8	--	---	--	---	1	7
Golden Valley	--	---	--	---	1	120	--	---
Grand Forks	--	---	1	146	5	1,235	--	---
Grant	--	---	--	---	--	---	--	---
Griggs	--	---	--	---	--	---	--	---
Hettinger	--	---	--	---	--	---	--	---
Kidder	--	---	--	---	--	---	--	---
LaMoure	1	30	--	---	--	---	--	---
Logan	--	---	--	---	--	---	1	35
McHenry	--	---	--	---	--	---	--	---

TABLE 10.07--Continued

County	Type of Construction							
	Gasoline & Ser. Stat.		Hospitals & Other Instit.		Office, Bank, & Prof. Bldgs.		Pub. Works & Utilities Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
McIntosh	--	$ ---	--	$ ---	--	$ ---	--	$ ---
McKenzie	2	44	1	15	1	57	--	---
McLean	2	67	1	45	1	25	1	30
Mercer	4	222	1	1,355	3	393	--	---
Morton	--	---	--	---	1	12	1	4
Mountrail	--	---	--	---	--	---	--	---
Nelson	--	---	--	---	--	---	--	---
Oliver	--	---	--	---	1	300	--	---
Pembina	--	---	--	---	--	---	--	---
Pierce	--	---	--	---	--	---	--	---
Ramsey	1	90	--	---	1	28	--	---
Ransom	--	---	--	---	--	---	1	25
Renville	--	---	--	---	--	---	--	---
Richland	--	---	--	---	--	---	--	---
Rolette	--	---	--	---	1	520	1	115
Sargent	--	---	--	---	--	---	--	---
Sheridan	--	---	--	---	--	---	--	---
Sioux	--	---	--	---	--	---	--	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA
Stark	1	100	1	2,950	4	1,303	1	.4
Steele	--	---	--	---	--	---	--	---
Stutsman	1	70	--	---	--	---	--	---
Towner	--	---	1	12	--	---	--	---
Traill	1	25	--	---	--	---	--	---
Walsh	--	---	2	582	2	100	1	60
Ward	1	50	--	---	3	245	--	---
Wells	--	---	--	---	--	---	2	51
Williams	1	50	--	---	5	1,564	--	---

TABLE 10.08

PERMIT-AUTHORIZED ADDITIONS AND ALTERATIONS TO BUILDINGS IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1981

County	Houses & Apartments		Other Buildings	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	2,502	$12,537	1,332	$27,503
Adams	1	10	---	---
Barnes	26	128	27	781
Benson	1	7	1	24
Billings	---	---	---	---
Bottineau	27	178	15	80
Bowman	2	23	2	34
Burke	3	17	5	3
Burleigh	228	2,009	268	3,471
Cass	441	2,375	224	5,651
Cavalier	41	137	4	149
Dickey	25	40	19	565
Divide	25	115	8	18
Dunn	7	78	2	4
Eddy	6	40	14	66
Emmons	---	---	15	43
Foster	5	24	3	102
Golden Valley	---	---	---	---
Grand Forks	553	1,316	178	2,183
Grant	---	---	---	---
Griggs	---	---	---	---
Hettinger	17	41	15	95
Kidder	2	7	---	---
LaMoure	13	71	9	28
Logan	3	7	2	32
McHenry	3	62	3	22
McIntosh	13	41	---	---
McKenzie	6	68	7	752
McLean	18	91	3	37
Mercer	76	360	42	223
Morton	69	346	49	1,081

TABLE 10.08--Continued

County	Houses & Apartments		Other Buildings	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	8	$ 33	3	$ 40
Nelson	1	5	2	11
Oliver	23	92	9	23
Pembina	16	88	7	6
Pierce	13	70	8	29
Ramsey	44	137	30	223
Ransom	16	73	9	131
Renville	5	30	7	13
Richland	57	522	51	620
Rolette	10	40	11	288
Sargent	3	26	11	179
Sheridan	2	8	6	129
Sioux	---	---	---	---
Slope	NA	NA	NA	NA
Stark	52	1,168	52	1,208
Steele	2	15	---	---
Stutsman	41	339	31	410
Towner	3	24	2	.4
Traill	75	140	16	502
Walsh	221	674	24	401
Ward	220	1,060	93	5,189
Wells	2	4	2	9
Williams	77	398	43	2,644

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1981 Annual Data, photocopy.

TABLE 10.09

FULL AND PART-TIME CONSTRUCTION EMPLOYMENT BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1967-1980

County	1967	1970	1975	1977	1978	1979	1980
NORTH DAKOTA	9,072	10,398	13,871	16,176	18,431	18,565	16,440
Adams	34	(D)	46	(D)	(D)	62	59
Barnes	293	227	277	305	339	388	270
Benson	55	51	61	122	76	104	64
Billings	(L)	(D)	(L)	(L)	(L)	(D)	(D)
Bottineau	128	117	107	123	105	108	87
Bowman	42	(D)	76	73	(D)	(D)	(D)
Burke	32	25	24	32	20	23	17
Burleigh	941	(D)	1,510	1,976	2,042	2,096	1,966
Cass	1,733	2,416	2,575	3,175	3,461	3,455	2,694
Cavalier	143	1,434	295	156	136	86	52
Dickey	50	31	67	95	80	91	90
Divide	11	30	16	40	28	31	15
Dunn	26	29	21	50	190	214	292
Eddy	86	91	102	89	95	75	26
Emmons	55	52	72	85	89	82	114
Foster	141	84	113	160	122	117	104
Golden Valley	(L)	(L)	21	20	22	19	35
Grand Forks	819	915	1,247	1,471	1,650	1,586	1,350
Grant	24	26	41	22	26	35	13
Griggs	15	17	22	34	23	29	32
Hettinger	50	38	44	93	87	86	62
Kidder	14	20	19	32	35	28	25
LaMoure	23	51	37	66	47	47	33
Logan	18	17	22	38	44	41	38
McHenry	114	102	170	151	151	132	99
McIntosh	17	21	28	38	34	34	16
McKenzie	26	41	80	95	146	166	227
McLean	135	179	300	1,083	1,667	1,140	386
Mercer	129	92	613	325	1,307	1,949	2,332
Morton	274	261	587	698	698	786	661

TABLE 10.09--Continued

County	1967	1970	1975	1977	1978	1979	1980
Mountrail	(D)	71	50	57	72	87	99
Nelson	92	60	121	99	86	78	72
Oliver	74	160	329	373	142	116	181
Pembina	143	124	301	273	244	186	127
Pierce	70	63	79	86	68	(D)	61
Ramsey	149	164	237	267	260	292	266
Ransom	38	38	51	75	71	71	79
Renville	14	26	30	37	44	40	21
Richland	(D)	(D)	455	360	380	363	274
Rolette	227	136	243	279	274	204	165
Sargent	35	29	45	32	32	44	47
Sheridan	32	23	62	50	38	43	25
Sioux	21	(L)	11	18	25	22	42
Slope	0	(L)	19	(D)	(D)	(D)	0
Stark	346	282	297	482	582	643	742
Steele	30	15	24	27	31	32	34
Stutsman	369	320	560	666	730	611	453
Towner	(L)	18	41	50	52	49	87
Traill	244	186	103	90	99	92	72
Walsh	264	181	343	394	329	314	240
Ward	741	688	1,444	1,203	1,344	1,422	1,376
Wells	139	80	105	107	99	104	71
Williams	318	222	325	430	543	634	805

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

11.00

BANKING, FINANCE, AND INSURANCE

Information on the status of North Dakota's commercial banks, the Bank of North Dakota, and other financial institutions is included in this section together with limited data on the insurance industry.

Banks in North Dakota are organized under both state and federal law. State-chartered banks are supervised by the North Dakota Department of Banking and Financial Institutions, while "national" banks, organized under federal law, are supervised by the Comptroller of the Currency of the United States. Membership in the Federal Reserve System is required of national banks and voluntary on the part of state-chartered banks. The Bank of North Dakota is an agency of the State, unique in the nation.

The principal sources of commercial banking data are the Annual Report of the Federal Deposit Insurance Corporation (FDIC) and its publication, Bank Operating Statistics. The FDIC insures deposits of virtually all commercial banks in the state and thus has access to comprehensive data on bank operating statistics. Balance sheet and income statements for banks may be quite complex and no attempt will be made here to provide interpretive guidelines. Data pertinent to the Bank of North Dakota were obtained from its Annual Report. Characteristics of North Dakota's credit unions were obtained from the North Dakota Credit League Yearbook.

With the exception of health insurance, the North Dakota Insurance Commissioner regulates the operation of insurance companies in the state. Insurance data reported here comes from the North Dakota Insurance Department's Statistical Report of Premiums and Losses of Insurance Companies and also from the Life Insurance Factbook, published annually by the Institute of Life Insurance, located in New York.

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TABLE 11.01

NORTH DAKOTA COMMERCIAL BANKS, FEDERAL RESERVE MEMBERSHIP AND INSURANCE STATUS, SELECTED YEARS, 1940-1980

		Insured				
	Total Banking Offices	Total Insured	Nat'l. Federal Reserve Member	State Federal Reserve Member	Non-federal Reserve Member	Not Insured Total
1940						
All Offices	184	171	45	--	126	13
Banks	163	150	40	--	105	13
Branches	21	21	--	--	21	--
1950						
All Offices	172	167	41	2	124	5
Banks	150	145	41	2	102	5
Branches	22	22	--	--	22	--
1960						
All Offices	185	182	40	3	139	3
Banks	156	153	38	2	113	3
Branches	29	29	2	1	26	--
1970						
All Offices	240	235	54	6	175	5
Banks	169	166	42	4	120	3
Branches	71	69	12	2	55	2
1979						
All Offices	298	295	85	6	204	3
Banks	175	172	41	3	128	2
Branches	123	123	44	3	76	0
1980						
All Offices	306	303	85	7	211	3
Banks	178	175	39	3	133	3
Branches	128	128	46	4	78	0

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, various years.

TABLE 11.02

TOTAL ASSETS AND DEPOSITS OF COMMERCIAL BANKS* IN NORTH DAKOTA, SELECTED YEARS, 1935-1980

Year	Number of Banks	Total Assets	Total Deposits
1935	203	NA	73,126
1940	163	NA	97,642
1945	150	511,000	488,000
1950	150	601,649	563,699
1955	154	670,985	615,294
1960	156	839,141	758,803
1965	169	1,176,165	1,059,065
1970	169	1,747,703**	1,549,809**
1975	172	3,364,522**	2,935,227**
1976	171	3,595,674	3,196,353
1977	173	4,002,649	3,529,881
1978	NA	NA	NA
1979	175	4,870,638	4,156,568
1980	178	5,332,900	4,523,400

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, various years; supplemental data for 1970 and 1975 from Bank of North Dakota Annual Reports and North Dakota Department of Banking and Financial Institutions.

* Insured and Non-Insured.

** Excludes data for one bank in liquidation.

TABLE 11.04

SELECTED BALANCE SHEET RATIOS OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1970-1980

	1970	1972	1974	1976	1978	1980
Number of Banks	166	167	168	169	171	175
Percentage of Assets						
Cash Due From Banks	7.7	7.9	7.8	8.2	7.8	8.5
U.S. Treasury Securities	20.6	17.5	10.1	8.9	7.8	9.0
Securities of U.S. Gov't. Agencies	11.7	15.6	16.1	7.4	7.3	8.0
Obligations of States and Polit. Subdiv.	10.5	11.8	13.5	13.7	13.2	11.8
Other Securities	0.2	0.2	0.1	2.7	.2	.2
Loans & Discounts	47.7	45.2	50.4	56.5	57.7	53.8
Real Estate	12.4	9.3	9.4	11.3	15.3	13.8
Agriculture	19.4	18.1	20.6	25.4	16.2	16.2
Commercial & Industrial	6.7	6.7	8.2	9.5	14.9	14.6
Individuals	7.7	8.2	8.4	9.2	12.1	9.3
Other	1.3	3.4	4.3	1.1	.5	.6
Fixed Assets	1.0	0.9	1.0	1.5	1.7	1.7
Other Assets	0.3	0.5	0.6	1.1	1.2	1.6
Percentage of Total Deposits						
Demand	43.1	41.6	41.2	34.5	32.7	27.3
Time*	56.8	58.3	58.7	65.5	46.3	55.6
Savings*					20.9	17.1
Capital Accounts/Equity Capital	8.4	7.9	8.0	8.2	8.6	9.3

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, various years.

* Time & Savings combined for years 1970, 1972, 1974 and 1976.

TABLE 11.06

SELECTED OPERATING RATIOS FOR INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1970-1980

	1970	1972	1974	1976	1978	1980
Number of Banks	166	167	168	169	171	175
Rate of Return (%) on						
U.S. Treasury Securities	6.19%	5.82%	6.98%	7.25%	7.16%	8.56%
Other Securities (including State & Local)*	4.13	4.30	4.39	5.37	9.84	10.17
Loans	7.30	7.93	9.09	8.61	9.11	12.19
Percentage of Total Assets						
Operating Revenue	6.63	6.42	7.38	7.27	7.60	9.77
Salaries & Benefits	1.41	1.28	1.22	1.42	1.28	1.40
Net Earnings Before Taxes	1.47	1.22	1.83	1.43	1.41	1.66
Net Earnings After Taxes	1.11	0.92	1.36	1.10	1.07	1.24
Net Income	1.09	0.94	1.33	1.12	1.05	1.20
Percentage of Capital Accounts						
Operating Earnings Before Taxes	18.32	15.46	24.12	18.92	18.25	20.17
Operating Earnings After Taxes	13.81	11.65	17.81	14.54	13.90	15.05
Net Income	13.53	11.94	17.45	14.80	13.65	14.62
Dividends Paid	3.82	3.62	3.49	3.77	3.49	4.06
Special Ratios						
Service Chg./Demand Dep.	0.49	0.47	0.36	0.42	0.42	0.66
Loan Reserves/Loans	1.89	1.75	1.44	0.29	0.18	0.86
Loan Losses/Loans	0.16	0.10	0.10	0.14	0.18	0.38

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, various years.

* Federal taxable equivalent.

TABLE 10.07--Continued

County	Type of Construction							
	Schools & Other Educ. Bldgs.		Stores & Other Merc. Bldgs.		Other Non-residential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	12	$672	126	$22,092	358	$4,971	258	$1,499
Adams	--	---	--	---	--	---	--	---
Barnes	2	57	1	20	4	81	14	52
Benson	--	---	--	---	8	4	--	---
Billings	1	150	--	---	2	25	8	48
Bottineau	--	---	2	1,120	1	14	--	--
Bowman	--	---	--	---	7	11	31	22
Burke	--	---	--	---	7	25	--	---
Burleigh	3	48	17	1,650	24	140	--	---
Cass	--	---	15	4,713	10	434	9	290
Cavalier	--	---	--	---	3	40	--	---
Dickey	--	---	1	100	3	56	--	---
Divide	2	.7	--	---	2	.5	3	1
Dunn	--	---	--	---	12	86	1	4
Eddy	--	---	--	---	--	---	--	---
Emmons	--	---	--	---	--	---	--	---
Foster	--	---	--	---	2	129	--	---
Golden Valley	--	---	1	92	4	41	--	---
Grand Forks	--	---	5	295	11	82	15	118
Grant	--	---	1	190	--	---	--	---
Griggs	--	---	--	---	--	---	--	---
Hettinger	--	---	1	202	4	135	--	---
Kidder	--	---	--	---	--	---	--	---
LaMoure	--	---	--	---	1	65	2	250
Logan	--	---	--	---	4	25	4	6
McHenry	--	---	--	---	1	44	--	---
McIntosh	--	---	--	---	3	37	2	12
McKenzie	--	---	4	296	3	180	7	14
McLean	--	---	--	---	6	3	4	102
Mercer	--	---	7	980	32	40	37	96
Morton	--	---	--	---	84	109	6	6

TABLE 10.07--Continued

County	Type of Construction							
	Schools & Other Educ. Bldgs.		Stores & Other Merc. Bldgs.		Other Non-residential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	--	$ ---	1	$ 23	7	$ 2	9	$ 7
Nelson	--	---	--	---	2	12	1	.5
Oliver	--	---	--	---	--	---	--	---
Pembina	--	---	1	10	5	102	--	---
Pierce	1	150	2	27	8	6	--	---
Ramsey	--	---	--	---	14	7	68	43
Ransom	--	---	--	---	5	51	4	229
Renville	--	---	1	80	1	6	--	---
Richland	1	202	2	629	1	.8	3	36
Rolette	--	---	1	202	1	4	--	---
Sargent	--	---	--	---	1	13	--	---
Sheridan	--	---	--	---	3	15	2	.3
Sioux	--	---	--	---	--	---	--	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA
Stark	1	6	19	6,588	8	2,016	--	---
Steele	--	---	--	---	--	---	6	2
Stutsman	1	57	10	450	8	7	3	14
Towner	--	---	--	---	1	2	--	---
Traill	--	---	--	---	3	58	--	---
Walsh	--	---	--	---	--	---	--	---
Ward	--	---	20	1,920	36	698	15	82
Wells	--	---	1	130	1	100	1	15
Williams	--	---	13	2,374	15	67	3	49

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1981 Annual Data, photocopy.

Notes: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 11.03

ASSETS AND LIABILITIES AND CAPITAL OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1970-1980 (Thousands of Dollars)

	1970	1972	1974	1976	1978	1980
Number of Banks	166	167	168	169	171	175
Total Assets	$1,598,168	$1,995,055	$2,550,009	$3,135,917	$3,857,935	$4,627,908
Cash Due From Banks	148,342	180,984	235,954	258,709	301,645	394,212
U.S. Treasury Securities	293,934	312,372	224,803	279,449	299,136	414,760
Securities of U.S. Gov't. Ag.	106,441	191,489	266,520	231,468	282,220	370,594
Obligations of States & Polit. Subd.	194,605	275,087	359,117	429,414	510,316	548,221
Other Bonds, Stocks, & Securities	2,599	3,356	5,587	83,998	9,118	10,139
Loans & Lease Financing (Net)	820,686	990,696	1,403,635	1,770,661	2,228,656	2,488,106
Fixed Assets	20,307	23,896	31,531	46,297	64,112	79,461
Other Assets	11,254	17,175	22,861	35,921	46,779	76,238
Total Liabilities	1,462,658	1,832,228	2,340,951	2,883,082	3,541,852	4,226,620
Total Deposits	1,422,961	1,790,093	2,234,538	2,824,394	3,456,488	4,087,793
Demand	596,233	712,410	907,252	962,176	1,131,792	1,115,934
Time*					1,601,682	2,271,390
Savings*	826,728	1,077,683	1,327,286	1,862,218	723,014	700,468
Reserve on Loan/ Subordinated Notes	17,183	18,285	22,327	15,148	18,657	20,650
Capital Accounts/ Equity Capital	118,327	144,542	186,730	237,687	297,426	380,636

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, various years.

* Time and Savings combined for years 1970, 1972, 1974 and 1976.

TABLE 11.05

INCOME AND EXPENSES OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1970-1980 (Thousands of Dollars)

	1970	1972	1974	1976	1978	1980
Number of Banks	166	167	168	169	171	175
Total Operating Revenue	$97,780	$119,034	$176,648	$227,845	$293,086	$452,081
Income on Loans	59,029	73,033	114,479	147,910	200,041	309,939
Int. on U.S. Treasury Securities & Securities of Other U.S. Gov't. Ag.	22,363	26,222	35,315	39,279	41,202	58,026
Int. on Obligations of State & Local	7,506	10,543	15,455	21,846	25,211	29,041
Int. on Fed. & Other Securities	167	220	670	4,803	10,446	31,728
Trust Dept. Income	678	976	1,392	1,909	1,213	1,596
Service Charge on Deposits	3,482	3,598	3,670	4,067	4,740	7,420
All Other Income	4,557	4,443	5,667	8,031	10,233	14,331
Total Operating Expense	76,213	95,421	134,777	182,866	236,015	370,023
Salaries & Employee Benefits	20,463	23,429	30,146	39,525	49,338	64,866
Int. on Deposits*	39,237	52,809	73,206	106,453	139,222	236,555
Int. on Borrowed Funds	326	176	4,629	1,215	867	3,650
Int. on Notes & Debentures	213	365	519	881	1,372	1,814
Occupancy & Fixed Expense	2,425	2,803	3,710	9,683	12,297	15,685
Provision for Loan Loss	1,111	1,094	1,703	2,593	3,965	9,210
Other Expenses	12,438	14,744	20,864	22,516	28,954	38,243
Operating Income	21,568	23,613	41,871	44,979	54,270	76,791
Income Tax/Security Gains or Losses	6,152	5,772	11,754	9,810	12,161	17,897
Net Income	15,416	17,841	29,551	35,169	40,597	55,642
Dividends on Stock	4,790	5,559	6,447	8,972	10,374	15,437

SOURCE: Federal Deposit Insurance Corporation, *Bank Operating Statistics*, various years.

* Including CD's of $100,000 or more.

TABLE 11.08

SELECTED OPERATING RATIOS FOR INSURED COMMERCIAL BANKS IN NORTH DAKOTA BY FDIC AREA,* 1980

	Area 1	Area 2	Area 3	Area 4	Area 5
Number of Banks	24	34	61	39	12
Rate of Return (%) on					
Loans	12.19	12.00	12.14	12.23	12.50
U.S. Treas. Securities	8.44	8.63	8.47	8.69	8.63
Obligations of States, etc.*	9.83	10.44	10.17	10.22	10.13
Percentage of Total Assets					
Operating Revenue	9.48	9.53	9.76	9.93	10.01
Salaries & Wages	1.43	1.37	1.36	1.51	1.26
Earnings Before Taxes	2.04	1.43	1.82	1.33	2.28
Earnings After Taxes	1.54	1.15	1.32	.99	1.60
Net Income	1.50	1.09	1.29	.99	1.56
Percentage of Equity Capital					
Earnings Before Taxes	23.05	17.05	21.93	17.03	26.42
Earnings After Taxes	17.43	13.69	15.88	12.80	18.52
Net Income	16.89	12.99	15.59	12.75	18.03
Dividends Paid	11.63	16.88	22.13	21.88	37.25
Special Ratios					
Service Chg./Demand Deposit	.55	.57	.59	.81	.63
Loan Reserves/Loans	.07	.24	.21	.25	.18
Loan Losses/Loans	.03	.16	.11	.26	.12

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, various years. Some ratios obtained by calculation.

* Federal taxable equivalent.

TABLE 11.09

ASSETS AND LIABILITIES FOR THE BANK OF NORTH DAKOTA, SELECTED YEARS, 1970-1981 (Thousands of Dollars)

	1970	1973	1974	1975	1977	1980	1981
Total Assets	$143,920	$266,701	$316,508	$401,435	$512,809	$704,967	$853,391
Cash and Due from Banks	10,175	20,215	23,011	26,751	39,400	44,285	60,812
U.S. Gov't. Securities	25,569	20,796	18,542	38,788	91,700	73,113	75,401
Federal Agencies Securities	24,015	64,511	62,914	56,024	41,488	64,475	84,334
State & Municipal Securities	21,231	16,332	15,488	14,760	11,140	14,118	16,151
Other Securities	11,591	14,862	51,788	116,581	97,861	36,011	3,838
Federal Funds Sold	3,300	18,250	17,190	22,485	32,800	135,000	215,625
Loans (Less Reserve for Losses)	46,791	106,392	122,153	119,030	192,206[3]	327,306	384,449
Bank Premises & Equipment	*	945[1]	925	889	1,018	1,425	1,458
Other Assets/Int. Due	1,222	4,398[2]	4,496	6,128	5,197	9,235	11,322
Total Liabilities	124,038	242,943	283,415	376,007	484,554	663,633	812,223
Demand	65,875	117,437	86,476	86,443	92,643	105,304	100,094
Time & Savings	56,275	83,420	167,154	225,277	283,625	330,220	490,698
Total Other Liabilities	1,887	42,086	29,785	64,287	108,286	228,110	221,431
To State General Fund	1,375	7,500	2,500	12,000	12,000	1,500	3,750
Reserves	2,724	1,974	2,040	2,040	(3)	(3)	(3)
Capital Funds	17,158	21,784	31,053	23,388	28,256	41,334	41,168

SOURCE: Bank of North Dakota, Annual Reports, various years.

[1] Capitalized Bank Assets and depreciated overtime.

[2] Changed from modified to full accrual method.

[3] Loan Reserves included in Net Loan figure.

* Charged to Operating Expense.

TABLE 11.10

INCOME AND EXPENSES FOR THE BANK OF NORTH DAKOTA, SELECTED YEARS, 1970-1981 (Thousands of Dollars)

	1970	1975	1980	1981
Interest Income				
Interest and Fees on Loans	$2,305	$9,752	$31,551	$40,480
Interest on Investments				
U.S. Government Obligations	1,210	1,328	6,382	6,615
Federal Agency Obligations	3,387	4,097	5,911	6,562
Money Market Investments	(*)	7,367	6,028	4,575
State, Municipal & Other	1,430	741	794	1,170
Interest on Federal Funds Sold	238	2,023	9,844	15,909
Total Interest Income	8,570	25,308	60,511	75,311
Interest Expenses				
Interest on Deposits	3,656	13,449	30,499	44,251
Interest on Fed. Funds Purchased	NA	1,456	10,943	15,187
Interest on Funds Borrowed	NA	599	8,474	8,101
Total Interest Expenses	3,656	15,504	49,916	67,541
Net Interest Income	4,914	9,804	10,595	7,771
Service Fees & Other Income	132	139	1,590	1,850
Operating Expenses				
Salaries & Benefits	470	831	1,634	2,003
Fees & Services	118	298	588	716
Data Processing--Rentals	48	110	305	416
Supplies & Materials	22	50	90	129
Provision for Loan Losses	9	97	147	351
Depreciation	(**)	69	109	114
Operating Expenses	667	1,455	2,873	3,730
Security Gains (Losses)	(54)	(152)	404	194
Net Income	4,328	8,335	9,716	6,085

SOURCE: Bank of North Dakota, Annual Reports, various years.

* Other Investment Income included with Federal Agencies Obligations.

** Prior to 1973, assets were not capitalized and depreciated over time.

TABLE 11.11

CHARACTERISTICS OF CREDIT UNIONS IN NORTH DAKOTA, SELECTED YEARS, 1950-1981

Year	Number of League Members	Member-ship	Total Assets	Total Shares & Deposits	Total Loans
1950	93	16,034	$ 3,864,237	$ 4,531,401	$ 2,813,523
1955	108	23,626	8,352,542	7,708,929	5,758,846
1960*	123	33,031	14,331,000	12,912,000	12,364,000
1965*	127	47,141	28,357,000	23,475,000	22,099,000
1970	110	62,910	45,732,000	34,360,000	39,289,000
1975	102	95,693	109,882,087	100,277,378	89,592,861
1976	100	104,421	136,094,936	122,432,239	115,915,779
1977	96	113,752	170,925,530	152,281,625	143,590,335
1978	93	121,625	201,011,749	171,546,234	165,605,146
1979	93	126,667	234,329,711	207,184,964	179,142,727
1980	88	130,552	295,591,401	273,982,726	172,317,792
1981	86	127,364	312,725,910	290,033,217	167,974,860

SOURCE: North Dakota Credit League Yearbook, various years, additional data supplied by the North Dakota Credit Union.

* Does not include non-affiliated credit unions.

TABLE 11.12

MORTGAGES OWNED BY LIFE INSURANCE COMPANIES IN NORTH DAKOTA, SELECTED YEARS, 1950-1980 (Thousands of Dollars)

Year	Farm	Nonfarm F.H.A.	Nonfarm V.A.	Nonfarm Conventional	Total
1950	$ 7,649	$ 617	$ 43	$ 7,155	$ 15,464
1955	11,210	1,090	1,022	19,894	33,216
1960	12,937	1,998	2,055	28,811	45,801
1965	22,160	7,362	4,916	38,516	72,954
1970	24,400	6,200	4,000	35,100	69,700
1975	21,300	3,100	2,600	57,200	84,200
1976	23,700	2,800	2,300	65,600	94,400
1977	45,400	2,600	1,900	83,100	133,000
1978	60,100	2,900	1,600	99,500	164,100
1979	NA	NA	NA	NA	NA
1980	68,400	6,400	1,200	161,600	237,600

SOURCE: Life Insurance Factbook, various years.

TABLE 11.13

LIFE INSURANCE POLICIES IN FORCE IN NORTH DAKOTA BY TYPE OF POLICY, SELECTED YEARS, 1955-1980

Year	Ordinary		Group	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1955	285	$ 660	59	$ 110
1960	313	1,035	79	205
1965	333	1,458	138	536
1970	347	2,031	174	949
1975	409	3,351	267	1,866
1976	412	3,770	258	2,065
1977	428	4,235	283	2,308
1978	446	4,898	288	2,449
1979	459	5,678	315	3,015
1980	469	6,325	335	3,425

Year	Industrial		Credit	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1955	7	$ 2	48	$ 38
1960	8	3	121	115
1965	6	3	197	264
1970	6	3	236	370
1975	5	3	243	485
1976	5	3	209	579
1977	4	2	227	613
1978	4	2	227	656
1979	4	3	221	656
1980	4	3	232	730

Year	Total	
	Number (Thousands)	Amount (Millions)
1955	399	$ 810
1960	521	1,358
1965	674	2,261
1970	763	3,353
1975	924	5,705
1976	884	6,417
1977	942	7,158
1978	965	8,005
1979	999	9,352
1980	1,040	10,483

SOURCE: Life Insurance Factbook, various years.

TABLE 11.14

LIFE INSURANCE PREMIUMS, ANNUITIES AND CLAIMS PAID IN NORTH DAKOTA, SELECTED YEARS, 1965-1980

Year	Life Premiums	Life Annuities	Life Claims Paid
1965	$ 36,982,239	$ 2,481,129	$ 18,650,866
1970	48,826,858	3,192,345	18,225,902
1975	70,686,042	12,142,775	19,001,521
1976	78,530,140	15,137,267	19,961,726
1977	85,032,878	14,675,205	19,488,833
1978	92,622,158	13,955,067	25,622,158
1979	101,678,884	17,737,118	27,907,704
1980	105,933,061	22,471,358	31,489,457

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.15

FIRE AND CASUALTY PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA, SELECTED YEARS, 1965-1980

Year	Fire & Casualty Premiums	Fire & Casualty Claims Paid
1965	$ 50,891,006	$ 27,157,547
1970	76,043,673	36,740,615
1975	134,275,975	82,276,038
1976	159,847,512	94,326,083
1977	185,346,051	121,426,409
1978	208,580,779	110,970,178
1979	244,728,191	124,362,283
1980	255,209,873	174,411,185

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.16

FIRE AND EXTENDED COVERAGE PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA BY THE STATE FIRE AND TORNADO FUND, SELECTED YEARS, 1965-1981

Year	Fire & EC Premiums	Fire & EC Claims Paid
1965	$ 605,205	$ 289,567
1970	1,054,227	850,211
1975	37,048	245,859
1976	1,366,117	899,000
1977	96,263	676,261
1978	1,032,787	480,912
1979	1,027,058	914,920
1980	1,152,120	1,115,341
1981	1,232,667	2,048,626

SOURCE: North Dakota Insurance Dept., State Fire and Tornado Fund, Biennial Statements and Statistical Records, various years.

TABLE 11.17

ACCIDENT AND HEALTH PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA BY LIFE INSURANCE COMPANIES, SELECTED YEARS, 1965-1980

Year	Premiums	Claims Paid
1965	$19,623,316	$13,618,011
1970	23,310,699	17,150,700
1975	38,047,269	28,768,216
1976	41,614,976	29,117,821
1977	42,933,999	29,883,691
1978	48,876,394	33,357,691
1979	54,538,987	36,111,286
1980	54,986,185	40,770,932

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.18

PREMIUMS AND CLAIMS PAID: BLUE CROSS AND BLUE SHIELD OF NORTH DAKOTA, SELECTED YEARS, 1965-1980

Year	Premiums	Claims Paid
1965	$ 14,057,727	$ 13,053,697
1970	30,370,623	28,442,514
1975	52,814,218	53,350,479
1976	70,817,081	65,311,033
1977	88,185,991	75,542,739
1978	98,481,721	84,444,328
1979	109,395,686	95,802,843
1980	120,357,641	119,958,586

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.19

AVERAGE COST PER HOSPITAL PATIENT DAY, AVERAGE STAY AND AVERAGE COST PER STAY: THE UNITED STATES, NORTH DAKOTA AND SELECTED MIDWEST STATES, 1977-1980

	Average Cost Per Patient Day			Average Length of Stay (Days)		
	1977	1979	1980	1977	1979	1980
U.S.	$197.90	$248.60	$245.60	7.6	7.6	7.6
N.D.	141.00	170.30	177.10	8.3	8.3	8.7
S.D.	130.20	184.70	189.60	7.1	6.4	6.7
Neb.	152.10	192.00	197.40	8.0	8.0	7.9
Mont.	151.90	167.90	160.20	6.4	7.9	8.3
Wyo.	169.40	234.90	242.80	5.2	5.1	4.9
Minn.	165.00	196.60	230.10	8.8	9.1	9.0
Iowa	153.50	200.20	199.30	7.5	7.4	7.4

	Average Cost Per Patient Stay		
	1977	1979	1980
U.S.	$1,504.10	$1,889.40	$1,866.60
N.D.	1,170.60	1,464.60	1,540.80
S.D.	924.60	1,182.10	1,270.30
Neb.	1,217.10	1,536.00	1,538.10
Mont.	972.10	1,326.40	1,329.70
Wyo.	881.10	1,198.00	1,189.70
Minn.	1,452.30	1,789.10	1,827.90
Iowa	1,151.10	1,481.50	1,474.80

SOURCE: Health Insurance Institute, Source Book of Health Insurance Data, various years.

12.00

MANUFACTURING

This section contains statistics on North Dakota's small but important manufacturing industry. Included are data on the number of establishments, employment and wages, expenditure for new plant and equipment, value added by manufacturing, and related information. A table showing North Dakota's contribution to the international export of manufactured goods is also included.

The principal source of data contained in this section is the Annual Survey of Manufacturers, conducted each year and published by the U.S. Department of Commerce. Due to the small size of North Dakota's manufacturing sector, the Annual Survey data may be subject to high sampling error. Data users are urged to consult the source document before attaching any degree of reliability to the estimates. Moreover, state data was not published for 1979 and the 1980 Annual Survey was not available at the time this Abstract was being prepared. As a result, 1978 is typically the most recent date for data on North Dakota manufacturing.

As defined by the Bureau of the Census, a manufacturing establishment usually consists of a single physical location at which the transformation of materials into new products is performed. Businesses with one or more employees are included. Firms operating more than one establishment are required to submit a report for each separate location. An establishment is classified in a particular industry if its production of that product or product group exceeds in value its production in any other product group. The manufacturing industries are defined in the Standard Industrial Classification Manual issued by the U.S. Office of Management and Budget.

A listing of individual manufacturing establishments operating in North Dakota is available from the Economic Development Commission (EDC), formerly the North Dakota Business and Industrial Development Department (BIDD).

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TABLE 11.07

ASSETS AND LIABILITIES AND EQUITY CAPITAL OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA BY FDIC AREA,* 1980

(Thousands of Dollars)

	Area 1	Area 2	Area 3	Area 4	Area 5
Number of Banks	24	34	61	39	12
Total Assets	$470,148	$921,144	$1,480,000	$1,316,059	$291,088
Cash Due From Banks	34,240	72,855	112,402	143,768	21,303
U.S. Treasury Securities	45,737	76,339	143,013	108,334	27,124
Obligations of U.S. Gov't. Agencies	45,236	91,683	128,425	72,799	23,540
Obligations of States & Polit. Subdiv.	62,189	113,482	180,811	137,513	37,392
All Other Securities	1,139	2,517	1,495	3,342	1,037
Fed. Funds Sold & Securities Purchased	31,280	53,760	61,714	84,387	11,803
Net Loans & Lease Financing	236,269	479,064	803,006	718,830	160,034
Bank Assets, Fixed	8,088	18,370	20,693	25,652	3,802
Other Assets	5,970	13,074	28,441	21,434	5,052
Total Liabilities	428,361	838,799	1,351,914	1,206,473	264,290
Total Deposits	413,985	817,092	1,307,528	1,157,662	257,386
Total Demand Deposits	133,153	222,738	334,050	335,238	60,350
Total Savings Deposits	68,563	139,855	210,332	206,063	48,338
Total Time Deposits	212,269	454,498	763,146	616,361	148,698
Other Liabilities	14,376	21,707	44,386	48,811	6,904
Subordinated Notes & Debentures	150	5,060	5,415	6,975	1,650
Equity Capital	41,637	77,285	122,670	102,611	25,147
Preferred & Common Stock	7,795	17,260	26,775	27,122	4,711
Surplus	10,780	22,863	36,827	35,443	8,520
Undivided Profits	23,062	37,162	59,068	40,046	11,916

TABLE 11.07--Continued

Federal Deposit Insurance Corporation Definition of North Dakota Economic Areas

Area 1	Area 2	Area 3	Area 4	Area 5
Adams	Burke	Barnes	Cass	Dickey
Billings	Burleigh	Benson	Grand Forks	Ransom
Bowman	Divide	Bottineau	Pembina	Richland
Dunn	Emmons	Cavalier	Traill	Sargent
Golden Valley	Kidder	Eddy	Walsh	
Grant	Logan	Foster		
Hettinger	McIntosh	Griggs		
McKenzie	McLean	LaMoure		
Mercer	Mountrail	McHenry		
Morton	Sheridan	Nelson		
Oliver	Williams	Pierce		
Sioux		Ramsey		
Slope		Renville		
Stark		Rolette		
		Steele		
		Stutsman		
		Towner		
		Ward		
		Wells		

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1980.

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TABLE 12.01

TOTAL NUMBER OF MANUFACTURING EMPLOYEES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1970-1980 (Thousands of Employees)

State	1970	1973	1974	1975	1976	1977	1978	1979	1980
NORTH DAKOTA	10.3	11.9	12.3	14.1	14.2	13.8	14.1	16.2	16.6
South Dakota	17.2	20.0	20.9	21.6	21.8	22.5	23.9	26.0	27.3
Minnesota	301.2	323.5	334.7	320.9	305.5	331.7	365.5	390.0	392.7
Montana	20.1	21.6	20.9	20.5	21.7	23.5	25.3	26.2	25.0
Wyoming	6.0	7.5	7.0	7.0	7.0	8.5	8.6	10.0	10.0
Nebraska	81.3	88.6	90.4	87.3	87.8	87.7	92.5	99.5	100.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years and County Business Patterns, 1980.

TABLE 12.02

TOTAL ANNUAL PAYROLL FOR ALL MANUFACTURING EMPLOYEES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1970-1980 (Millions of Dollars)

State	1970	1973	1974	1975	1976	1977	1978	1979	1980
NORTH DAKOTA	$ 73.5	$ 96.2	$ 106.0	$ 119.6	$ 139.4	$ 162.3	$ 181.3	$ 212.1	$ 222.3
South Dakota	120.7	159.2	177.2	189.4	216.5	251.4	301.3	345.5	367.2
Minnesota	2,447.7	3,203.0	3,579.9	3,781.0	3,892.8	4,693.0	5,385.2	6,373.5	6,765.8
Montana	151.6	195.1	206.8	226.7	269.8	311.8	361.0	404.3	406.4
Wyoming	45.7	61.7	68.3	77.8	82.9	110.9	123.8	165.0	146.1
Nebraska	581.2	769.1	835.1	890.8	986.6	1,075.4	1,231.6	1,419.8	1,546.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years and County Business Patterns, 1980.

TABLE 12.03

VALUE OF MANUFACTURING INDUSTRY SHIPMENTS, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1978 (Millions of Dollars)

State	1970	1971	1972	1973
NORTH DAKOTA	$ 494.3	$ 536.1	$ 593.9	$ 773.2
South Dakota	780.0	741.3	936.6	1,274.9
Minnesota	10,963.2	11,222.2	12,901.3	15,279.0
Montana	1,217.3	1,232.0	1,596.7	1,793.7
Wyoming	331.5	362.6	451.0	547.6
Nebraska	4,419.4	4,826.6	5,898.4	6,954.9

State	1974	1975	1976	1977
NORTH DAKOTA	$ 982.1	$ 1,128.3	$ 1,2[illegible]6.2	$1,312.9
South Dakota	1,389.0	1,494.4	1,608.5	1,793.7
Minnesota	18,221.7	18,646.4	20,439.5	23,021.2
Montana	2,217.4	2,202.0	2,524.9	2,669.9
Wyoming	712.6	846.3	833.2	1,287.8
Nebraska	7,949.3	8,393.4	8,773.3	8,713.4

State	1978
NORTH DAKOTA	$ 1,376.0
South Dakota	2,154.2
Minnesota	25,838.6
Montana	3,070.5
Wyoming	1,402.6
Nebraska	10,572.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.06

LABOR COSTS, NEW CAPITAL EXPENDITURES, ASSETS, AND RENTAL PAYMENTS OF NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, SELECTED YEARS, 1970-1978* (Millions of Dollars)

Item	1970	1971	1974	1975	1976	1978
Labor Costs, Total	81.2	78.4	119.8	136.5	160.0	213.3
Payroll	73.5	70.3	106.0	119.6	139.4	181.3
Soc. Sec. and Other Required Payments	4.9	4.3	7.6	9.1	12.4	15.0
Employer Payments for Other Programs	2.8	3.4	6.2	7.7	8.3	17.0
Expenditures for New Plant and Equipment, Total	10.1	11.3	27.8	23.2	54.9	58.6
New Structures and Additions to Plant	4.7	3.5	15.0	5.5	17.3	13.5
New Machinery and Equipment	5.4	7.8	12.9	17.8	37.6	45.1
Gross Book Value of Depreciable Assets (end of year total)	183.0	186.5	26.8	288.6	322.2	440.7
Structures and Buildings	51.0	52.5	81.9	88.4	94.6	120.8
Machinery and Equipment	132.0	133.9	186.5	200.2	227.6	320.0
Rental Payments, Total	1.3	1.1	2.6	3.5	4.1	5.3
Structures and Buildings	.9	.9	1.5	1.9	2.1	2.8
Machinery and Equipment	.4	.2	1.6	1.6	2.0	2.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manfactures, various years.

* Some data not available for 1972, 1973, and 1977.

TABLE 12.07

NUMBER OF ESTABLISHMENTS, NUMBER OF ALL EMPLOYEES AND TOTAL PAYROLL IN TWO-DIGIT MANUFACTURING INDUSTRIES FOR NORTH DAKOTA, 1980

SIC Code	Industries	Establishments	Employees	Payroll ($1,000)
	Total Manufacturing	542	16,650	222,266
20	Food & Kindred Products	89	4,149	56,637
23	Apparel & Other Textile Prod.	11	(F)	(D)
24	Lumber & Wood Products	23	363	4,266
25	Furniture & Fixtures	6	130	1,156
26	Paper & Allied Products	5	125	1,108
27	Printing & Publishing	141	2,248	25,156
28	Chemicals & Allied Products	15	275	3,110
29	Petroleum & Coal Products	5	299	7,425
30	Rubber & Misc. Plastics Prod.	7	105	1,136
32	Stone, Clay & Glass Products	71	779	13,954
34	Fabricated Metal Products	24	536	7,564
35	Machinery, Except Electrical	99	5,030	67,023
36	Electric & Electronic Equipment	7	(E)	(D)
37	Transportation Equipment	11	990	14,299
38	Instruments & Related Products	2	(A)	(D)
39	Misc. Manufacturing Industries	20	502	6,205
	Administrative & Auxiliary	5	102	2,001

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns, 1980.

Note: A: 0-19; D: deleted; E: 250-499; F: 500-999.

TABLE 12.08

NUMBER, HOURS WORKED AND WAGES OF PRODUCTION WORKERS IN SELECTED NORTH DAKOTA MANUFACTURING INDUSTRIES, 1977-1978

SIC Code	Industries	1977		
		Number (1,000)	Hours (Million)	Wages (Million Dollars)
	NORTH DAKOTA	9.2	17.7	$ 97.2
20	Food & Kindred Products	2.5	5.1	27.1
27	Printing & Publishing	1.0	1.7	9.8
28	Chemicals, Allied Products	.2	.5	2.2
32	Stone, Clay, Glass Products	.9	1.6	10.0
34	Fabricated Metal Products	.3	.6	2.9
35	Machinery, Except Electricial	2.5	4.7	28.1
352	Farm & Garden Machinery	1.6	3.1	18.4
36	Electric, Electronic Equip.	.1	.2	.6
39	Misc. Manfuacturing Indus.	.3	.7	2.8
		1978		
	NORTH DAKOTA	9.7	19.6	$110.7
20	Food & Kindred Products	2.7	5.0	29.0
27	Printing & Publishing	1.1	3.0	15.0
28	Chemicals, Allied Products	.2	.4	2.4
32	Stone, Clay, Glass Products	.8	1.7	10.4
34	Fabricated Metal Products	.3	.6	3.5
35	Machinery, Except Electrical	2.5	5.1	32.0
352	Farm & Garden Machinery	1.5	2.9	18.8
36	Electric, Electronic Equip.	.1	.2	1.1
39	Misc. Manufacturing Indus.	.4	.7	2.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1978.

12.09

VALUE ADDED BY SELECTED MANUFACTURING INDUSTRIES IN NORTH DAKOTA, 1977-1978 (Millions of Dollars)

SIC Code	Industries	1977	1978
	NORTH DAKOTA	473.3	485.1
20	Food & Kindred Products	146.6	128.7
27	Printing & Publishing	35.7	35.6
28	Chemicals, Allied Products	4.9	6.0
32	Stone, Clay, Glass Products	29.5	35.1
34	Fabricated Metal Products	8.9	7.3
35	Machinery, Except Electrical	105.9	126.8
352	Farm & Garden Machinery	62.7	73.9
36	Electric, Electronic Equip.	1.4	2.7
39	Misc. Manufacturing Indus.	8.6	2.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1978.

TABLE 12.10

NEW CAPITAL EXPENDITURES IN MANUFACTURING BY INDUSTRY, IN NORTH DAKOTA, 1977-1978 (Millions of Dollars)

SIC Code	Industries	1977	1978
	NORTH DAKOTA	53.0	58.6
20	Food & Kindred Products	30.8	28.3
27	Printing & Publishing	2.6	3.4
28	Chemicals, Allied Products	(D)	(D)
32	Stone, Clay, Glass Products	2.8	3.5
34	Fabricated Metal Products	.7	.6
35	Machinery, Except Electrical	5.0	2.8
352	Farm & Garden Machinery	3.8	1.2
36	Electric, Electronic Equip.	(D)	(D)
39	Misc. Manufacturing Indus.	(D)	(D)

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1978.

TABLE 12.11

END OF YEAR INVENTORIES IN MANUFACTURING ESTABLISHMENTS BY INDUSTRY, IN NORTH DAKOTA, 1978 (Millions of Dollars)

SIC Code	Industries	1978
	NORTH DAKOTA	197.1
20	Food & Kindred Products	77.3
27	Printing & Publishing	3.9
28	Chemicals, Allied Products	2.1
32	Stone, Clay, Glass Products	6.1
34	Fabricated Metal Products	5.4
35	Machinery, Except Electrical	66.5
352	Farm & Garden Machinery	47.8
36	Electric, Electronic Equip.	1.0
39	Misc. Manufacturing Indus.	.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1978.

TABLE 12.12

SELECTED MANUFACTURING OPERATING RATIOS FOR NORTH DAKOTA, CENSUS YEARS, 1962-1977

Year	Payroll Per Employee	Annual Hours of Production Workers	Average Hourly Earnings of Production Workers	Value Added Per Employee
1962	$ 4,846	2,022	$2.18	$11,138
1967	5,547	2,058	2.44	15,040
1972	7,706	2,028	3.31	19,676
1977	11,728	1,917	5.48	34,201

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Manufactures, Geographic Area Series, 1977.

TABLE 12.13

ESTABLISHMENTS, ALL EMPLOYEES, PAYROLL AND VALUE ADDED FOR NORTH DAKOTA SMSAs, COUNTIES AND SELECTED CITIES, 1977

Geographic Area	Establishments*	All Employees* (1,000)	Payroll* (Million Dollars)	Value Added (Million Dollars)
NORTH DAKOTA	571	13.8	162.3	473.3
SMSAs				
Fargo/Moorhead, N.Dak./Minn.	143	5.1	63.9	125.8
Portion in Minnesota	39	1.3	17.0	30.3
Portion in North Dakota	104	3.8	46.9	95.5
Grand Forks, N.Dak./Minn.	93	2.5	31.4	88.6
Portion in Minnesota	46	1.3	17.3	43.5
Portion in North Dakota	47	1.2	14.0	45.0
Counties				
Adams	8	(D)	(D)	(D)
Barnes	9	0.1	1.1	2.6
Benson	6	(D)	(D)	(D)
Bottineau	5	(D)	(D)	(D)
Bowman	5	(Z)	0.3	0.4
Burke	3	(D)	(D)	(D)
Burleigh	49	1.5	16.9	38.3
Cass	104	3.8	46.9	95.5
Cavalier	5	(D)	(D)	(D)
Dickey	7	0.1	0.7	1.0
Divide	4	(Z)	0.2	0.4
Dunn	2	(D)	(D)	(D)
Eddy	4	(Z)	(Z)	0.2
Emmons	5	(D)	(D)	(D)
Foster	3	(D)	(D)	(D)
Golden Valley	3	(D)	(D)	(D)
Grand Forks	47	1.2	14.0	45.0
Grant	3	(Z)	(Z)	0.1
Griggs	8	0.1	1.0	2.2
Hettinger	6	(D)	(D)	(D)
Kidder	3	(D)	(D)	(D)
LaMoure	5	0.1	0.6	1.4
Logan	1	(D)	(D)	(D)
McHenry	7	(D)	(D)	(D)
McIntosh	8	0.1	0.5	0.8
McKenzie	1	(D)	(D)	(D)
McLean	8	(D)	(D)	(D)
Mercer	6	(Z)	0.3	0.9
Morton	22	(D)	(D)	(D)
Mountrail	4	(D)	(D)	(D)

TABLE 12.13--Continued

Geographic Area	Establishments*	All Employees* (1,000)	Payroll* (Million Dollars)	Value Added (Million Dollars)
Nelson	5	(D)	(D)	(D)
Pembina	9	(D)	(D)	(D)
Pierce	7	0.1	0.9	2.5
Ramsey	12	(D)	(D)	(D)
Ransom	3	(Z)	0.1	0.2
Renville	3	(Z)	(Z)	0.1
Richland	19	0.8	9.8	22.6
Rolette	4	(D)	(D)	(D)
Sargent	7	(D)	(D)	(D)
Sheridan	4	(Z)	0.1	(Z)
Sioux	2	(D)	(D)	(D)
Stark	24	0.5	5.2	9.8
Steele	4	(Z)	0.2	0.3
Stutsman	22	0.8	9.0	30.8
Towner	5	(Z)	0.2	0.2
Traill	10	(D)	(D)	(D)
Walsh	11	0.1	1.2	3.4
Ward	42	0.8	8.6	19.3
Wells	4	(Z)	0.3	0.9
Williams	23	0.4	4.5	12.4
Cities				
Bismarck	49	1.5	16.9	38.3
Fargo	66	3.0	37.1	72.3
Grand Forks	37	1.1	13.1	41.3
Jamestown	19	(D)	(D)	(D)
Minot	36	0.7	8.4	18.8
Wapheton	13	0.8	9.4	22.0
West Fargo	21	0.5	7.1	17.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Manufactures, Geographic Area Series, 1977.

* Including central administrative offices and auxiliaries.

D - Withheld to avoid disclosing operations of individual companies.

Z - Less than 50 thousand dollars or hours; under 50 employees.

THE PUBLIC SECTOR

Government Finances
Social Insurance and Welfare Services
Education
Government and Elections
Law Enforcement, Courts, and Prisons
Public Lands, Parks, Recreation, and Travel

TABLE 12.04

VALUE ADDED BY MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1978 (Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978
NORTH DAKOTA	$ 188.8	$ 189.0	$ 200.7	$ 330.1	$ 325.9	$ 323.7	$ 387.0	$473.3	$485.1
South Dakota	230.2	226.2	284.5	419.8	385.3	421.1	493.9	611.6	726.1
Minnesota	4,757.8	4,827.2	5,523.8	6,704.1	7,640.2	7,386.9	8,473.0	9,605.2	10,908.1
Montana	357.1	330.4	462.5	515.2	610.6	531.6	771.1	802.2	850.6
Wyoming	104.3	119.4	143.9	171.0	233.3	269.2	279.0	380.8	425.6
Nebraska	1,497.0	1,594.1	1,733.4	1,989.8	2,253.0	2,384.5	2,692.1	2,867.1	3,249.7

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

TABLE 12.05

NEW CAPITAL EXPENDITURES IN MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1978 (Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978
NORTH DAKOTA	$ 10.1	$113.3	$ 13.3	$ 23.8	$ 27.8	$ 23.2	$ 54.9	$ 53.0	$ 58.6
South Dakota	12.3	13.5	20.1	32.3	30.7	36.5	48.8	36.7	40.1
Minnesota	316.4	271.1	305.5	330.5	488.7	487.6	494.9	576.4	788.2
Montana	42.3	50.4	75.8	66.3	99.8	76.3	85.6	97.8	130.6
Wyoming	4.7	6.3	23.4	15.6	17.2	21.2	30.5	36.2	53.5
Nebraska	83.0	86.5	102.3	108.5	143.3	160.8	167.5	175.1	219.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

13.00

GOVERNMENT FINANCES

Government is important not only from a social and political perspective, but also because its economic impact is considerable. This section provides information on taxing and spending by government at all levels: federal, state and local.

Official records and reports of the North Dakota Tax Commissioner are a primary source of information about governmental revenues in the state. In addition to the Tax Commissioner's Biennial Report, the North Dakota Tax Department publishes annual statistical reports on Property Taxes Levied and Property Valuation, and Sales and Use Taxes. City-level property tax data have been collected by the North Dakota League of Cities and published in Taxable Valuation and Tax Levies in North Dakota Cities. Basic data on state level appropriations and expenditures are available from the North Dakota Legislative Council through its State of North Dakota Budget and Final Budget Status Reports.

The U.S. Department of Commerce publishes periodic reports on Government Finances, prepared by the Bureau of the Census. Although official North Dakota records are used in the compilations on state and local government finances, the Census Bureau has found it necessary at times to classify and present the statistics in terms of its own system of uniform concepts and categories rather than according to diverse terminology and structure of individual governments. Consequently, there may be differences between similar data derived from state and federal source documents.

Data on federal government outlays are published in Geographic Distribution of Federal Funds in North Dakota. This document, prepared annually for the Executive Office of the President, provides highly detailed information on the amounts and types of federal outlays in North Dakota, its counties, and larger cities. Federal revenue sharing statistics are published by the Office of Revenue Sharing of the U.S. Department of the Treasury in a periodic Entitlements series.

Historical comparisons of tax data can be very misleading unless changes in tax rates and in the taxable base are taken into account. For example, through the years, North Dakota sales and use tax rates have ranged from 2% to 4%. The taxable base has also experienced many changes since the initial sales tax law went into effect in 1935. The most recent change came in 1976 when voters approved an initiated measure which reduced the sales tax from 4% to 3%, eliminated the tax on electricity, and reduced the rate to 2% on farm machinery and irrigation equipment. Another example is the recent reduction in state income tax rates. At the time of this writing, the North Dakota Legislature was considering increasing the sales tax or the income tax or both. Likewise, knowledge of the historical development and application of the property tax laws is important for a valid interpretation of that data.

Since government impacts so many sectors of the economic system, much additional government financial data can be found in other sections of this statistical abstract as well. Detailed data on North Dakota's coal severance tax are located in the section on Energy and Related Mineral Activites; statistics on highway related taxes are presented in the section on Transportation; federal income tax information is contained in the section on Income; and data on public education finances are to be found in the Education section.

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TABLE 13.01

PER CAPITA REVENUE SOURCES FOR STATE AND LOCAL GOVERNMENTS, BY STATE, 1980-81

State	Total Revenue	General Revenue		
		Total	From Federal Govt.	From State & Local Sources
Alabama	$ 1,930	$ 1,621	$ 384	$ 1,236
Alaska	14,583	13,748	1,158	12,590
Arizona	2,212	1,713	315	1,398
Arkansas	1,578	1,378	399	979
California	2,678	2,179	469	1,709
Colorado	2,240	1,855	364	1,491
Connecticut	1,994	1,798	321	1,477
Delaware	2,543	2,192	525	1,667
District of Columbia	4,319	3,833	1,780	2,053
Florida	1,785	1,524	303	1,221
Georgia	1,937	1,649	395	1,254
Hawaii	2,668	2,336	496	1,840
Idaho	1,829	1,547	390	1,156
Illinois	2,202	1,872	409	1,464
Indiana	1,640	1,449	296	1,152
Iowa	2,049	1,771	341	1,429
Kansas	2,034	1,750	333	1,418
Kentucky	1,708	1,457	398	1,059
Louisiana	2,112	1,900	419	1,481
Maine	1,844	1,641	459	1,181
Maryland	2,264	2,044	448	1,595
Massachusetts	2,300	2,083	465	1,618
Michigan	2,562	2,036	442	1,594
Minnesota	2,547	2,138	450	1,688
Mississippi	1,715	1,473	416	1,057
Missouri	1,638	1,404	342	1,062
Montana	2,423	2,122	563	1,559
Nebraska	2,477	1,768	327	1,442
Nevada	2,589	2,022	375	1,648
New Hampshire	1,695	1,419	348	1,071
New Jersey	2,190	1,873	315	1,557
New Mexico	2,596	2,355	461	1,893
New York	3,037	2,503	484	2,019
North Carolina	1,719	1,424	348	1,076
NORTH DAKOTA	2,469	2,232	443	1,789

TABLE 13.01--Continued

State	Total Revenue	General Revenue		
		Total	From Federal Govt.	From State & Local Sources
Ohio	$ 2,042	$ 1,525	$ 323	$ 1,202
Oklahoma	1,972	1,765	344	1,421
Oregon	2,627	2,146	475	1,671
Pennsylvania	2,036	1,662	348	1,314
Rhode Island	2,240	1,959	490	1,469
South Carolina	1,762	1,450	352	1,097
South Dakota	1,932	1,708	475	1,233
Tennessee	2,003	1,428	368	1,060
Texas	1,905	1,660	292	1,368
Utah	2,040	1,704	419	1,285
Vermont	2,172	1,890	573	1,318
Virginia	1,879	1,631	366	1,266
Washington	2,605	1,964	461	1,503
West Virginia	1,960	1,625	460	1,164
Wisconsin	2,294	1,969	422	1,547
Wyoming	4,033	3,648	716	2,932

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances in 1980-81.

TABLE 13.02

PERCENT OF A TAXPAYERS'S PERSONAL INCOME THAT BECOMES REVENUE FOR STATE AND LOCAL GOVERNMENT, 1980

Rank	State	Percentage of Personal Income	Rank	State	Percentage of Personal Income
1	Indiana	8.82%	31	Pennsylvania	11.56%
2	New Hampshire	9.20	32	Delaware	11.60
3	Missouri	9.30	33	Louisiana	11.60
4	Ohio	9.35	34	New Jersey	11.72
5	Tennessee	9.37	35	Rhode Island	11.89
6	Alabama	9.64	36	Maryland	12.03
7	Florida	9.75	37	California	12.17
8	Texas	9.75	38	New Mexico	12.18
9	Arkansas	9.87	39	Utah	12.47
10	Kansas	10.00	40	Wisconsin	12.47
11	Oklahoma	10.16	41	Maine	12.50
12	NORTH DAKOTA	10.22	42	Vermont	12.73
13	Virginia	10.25	43	Minnesota	12.74
14	Idaho	10.39	44	Montana	13.03
15	Kentucky	10.39	45	Arizona	13.27
16	Nevada	10.52	46	Dist. of Columbia	13.57
17	Connecticut	10.55	47	Massachusetts	13.90
18	South Dakota	10.59	48	Hawaii	14.75
19	North Carolina	10.62	49	Wyoming	14.76
20	South Carolina	10.68	50	New York	16.34
21	Georgia	10.78	51	Alaska	36.78
22	Mississippi	10.86			
23	Washington	10.88		U.S. Average	11.57
24	Nebraska	11.06			
25	Iowa	11.07			
26	West Virginia	11.21			
27	Illinois	11.25			
28	Colorado	11.31			
29	Oregon	11.41			
30	Michigan	11.50			

SOURCE: North Dakota Tax Dept., North Dakota--Where Taxes Work for People, July 1, 1982.

TABLE 13.04

NORTH DAKOTA STATE EXPENDITURES BY FUNCTION, SELECTED FISCAL YEARS, 1965-1981 (Thousands of Dollars)

	1965	1970	1975	1981
Total Expenditures	$199,265	$280,977	$490,614	$1,013,470
General Expenditure	188,204	268,933	464,387	943,265
Intergovernmental Expend.	29,786	65,966	122,249	249,609
Direct Expenditures	158,418	202,967	342,138	693,656
Insurance Trust Expenditures	11,061	12,044	26,227	70,205
Gen. Expenditure by Function				
Education (Total)	51,976	110,494	178,507	359,985
Intergovernmental	17,793	43,241	84,222	174,017
Higher Education	31,379	57,630	81,305	164,514
Other Education	2,804	9,623	12,980	21,454
Libraries	67	442	738	1,525
Public Welfare	17,926	26,730	42,690	109,131
Hospitals	6,590	10,876	18,027	38,313
Health	1,639	2,714	4,871	12,883
Employment Security Adm.	1,977	2,913	2,203	4,355
Veterans' Services	50	152	2,920	258
Transportation				
Highways	59,376	60,815	82,772	139,558
Airports	29	379	266	690
Public Safety				
Correction	1,292	1,713	3,280	7,333
Police	869	1,177	2,212	4,978
Protection Inspection & Regulation	1,619	2,469	3,635	8,647
Environment & Housing				
Agriculture	4,751	8,133	15,390	27,694
Fish & Game	989	1,428	1,693	3,746
Forestry, Parks & Recreation	192	676	631	3,533
Other	1,022	1,753	3,718	6,140
Housing, Sewage, Urban Renewal	-----	-----	-----	-----
Governmental Adm.	3,696	4,914	11,222	26,890
Interest on General Debt	904	1,293	2,713	14,328
Misc. Commercial Activity*	29,025	20,013	62,384	104,642
Other Gen. Expenditures	4,215	9,849	24,515	68,636

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, State Government Finances, various years.

* North Dakota Mill & Elevator and State Bank of North Dakota.

TABLE 13.05

NORTH DAKOTA LEGISLATIVE APPROPRIATIONS BY FUNCTION, 1981-1983 BIENNIUM

	General Fund*	Special Funds**	Total
General Government	$ 72,107,658	$ 60,507,821	$ 132,615,479
Education	461,275,776	369,701,298	830,977,074
Health & Welfare	183,899,527	274,168,434	458,067,961
Regulatory Agencies	13,322,779	87,698,891	101,021,670
Agriculture, Industrial Development & Promotion	31,614,440	35,615,114	67,229,554
Natural Resources	19,871,001	29,739,038	49,610,039
Highway Department	----------	281,478,724	281,478,724
Public Safety & Security	23,946,821	13,692,909	37,639,730
Tax Relief	36,067,000	----------	36,067,000
Revenue Sharing	21,840,000	----------	21,840,000
Capital Construction	34,305,230	24,309,432	58,614,662
Miscellaneous	5,346,000	605,500	5,951,500
Total	903,596,232	1,177,517,161	2,081,113,393

SOURCE: North Dakota Legislative Council Budget Section, Supplement to the Report of the Legislative Council, Analyses of 1983-85 Executive Budget, Forty-Eighth Legislative Assembly, 1983.

* General Fund refers to expenditures from the General Fund of the State.

** Special Funds refer to expenditures from other money, such as federal aid and dedicated funds.

TABLE 13.06

APPROPRIATIONS OF THE STATE OF NORTH DAKOTA FOR THE FISCAL YEAR JULY 1, 1981 TO JUNE 30, 1983

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
State Officials	$ 28,280,138	$ 6,632,244	$ 34,912,382
Supt. of Public Inst. & Oil Extraction Tax Allocation	226,540,617	---------	226,540,617
Dir. of Accounts & Purchases	2,670,310	14,269,049	16,939,359
Homestead Tax Credit	6,290,000	---------	6,290,000
Per. Property Tax Replacement	29,377,000	---------	29,377,000
Director of Institutions	3,127,725	---------	3,127,725
Industrial School	3,409,231	---------	3,409,231
School for the Deaf & School for the Blind	4,869,847	869,373	5,739,220
Grafton State School & San Haven	37,822,662	18,742,576	56,565,238
State Radio Communications	1,741,766	---------	1,741,766
State Penitentiary	18,537,315	5,688,174	24,225,489
State Library	2,019,873	---------	2,019,873
State Hospital	29,486,239	---------	29,486,239
Soldier's Home	1,278,782	---------	1,278,782
Misc. Funds & Organizations	468,430	31,000	499,430
Educational Broadcasting Council	966,739	---------	966,739
Unemployment Insurance	---------	1,000,000	1,000,000
Emergency Commission	1,000,000	---------	1,000,000
Div. of Surplus Property	110,554	---------	110,554
Pardon Board & Parole & Probation Office	1,442,180	---------	1,442,180
Fed. Aid Coordinator Office	1,027,625	---------	1,027,625
Adjutant General	2,625,174	---------	2,625,174
Div. of Disaster Emergency Services	370,456	---------	370,456
Civil Air Patrol	94,312	---------	94,312
Insurance Premium Taxes	3,811,500	---------	3,811,500
State Historical Board & International Peace Garden	3,930,172	731,313	4,661,485
Council on the Arts	288,858	---------	288,858
Soil Conservation Committee & Districts	754,588	---------	754,588
Geological Survey	---------	4,430,687	4,430,687
Water Conservation Comm.	7,542,731	---------	7,542,731
Parks & Recreation Dept.	5,749,652	---------	5,749,652
Bonding Fund & Fire & Tornado Fund	---------	287,669	287,669
Unsatisfied Judgement Fund	---------	43,208	43,208
Agricultural Councils & Commissions	641,946	6,585,433	7,227,379

TABLE 13.06--Continued

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
State Revenue Sharing	$ 21,840,000	$ ---------	$ 21,840,000
Judicial Branch	15,870,064	138,781	16,008,845
Energy Development Impact Office	10,174,943	---------	10,174,943
Game & Fish Dept.	---------	11,147,289	11,147,289
School District Aid	12,000,000	---------	12,000,000
Supplemental Coal Development Impact Grants	---------	1,500,000	1,500,000
Capital Construction Fund	---------	22,189,000	22,189,000
National Guard Tuition Trust Fund	---------	3,500,000	3,500,000
Red River Watershed Flood Control Projects	500,000	---------	500,000
Native American Alcohol & Drug Abuse Ed. Fund	383,837	---------	383,837
Lieutenant Governor's Additional Duties	87,000	---------	87,000
N.D. Blue Book Republication	25,000	---------	25,000
Legislative Branch	8,135,939	---------	8,135,939
Legislative Space Renovation	---------	1,875,000	1,875,000
State Employee Emergency Compensation	7,034,042	2,649,502	9,683,544
Board of Higher Education	5,516,094	425,000	5,941,094
Higher Education	195,830,302	70,451,801	266,282,103
Board of Vocational Ed.	14,140,020	---------	14,140,020
Junior College Aid	6,111,036	11,446,687	17,557,723
Div. of Independent Study	1,142,671	---------	1,142,671
Extension Division & Experiment Stations	28,364,934	25,176,299	53,541,233
Department of Health	19,792,975	25,508,726	45,301,701
Social Service Board	93,853,382	240,802,599	334,655,981
Governor's Council on Human Resources	242,969	---------	242,969
Indian Affairs Commission	383,484	---------	383,484
Dept. of Veteran's Affairs	355,197	---------	355,197
State Laboratories Dept.	2,298,263	---------	2,298,263
Aeronautics Commission	1,651,682	---------	1,651,682
Weather Modification Board	869,945	---------	869,945
Dept. of Banking & Financial Institutions	1,523,818	---------	1,523,818
Securities Commissioner	490,200	---------	490,200
State Fire Marshal	301,122	---------	301,122
Deficiency Appropriations	6,663,662	1,304,471	7,968,133
Livestock Sanitary Board	487,433	---------	487,433
Milk Stabilization Board	415,100	---------	415,100

TABLE 13.06--Continued

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
State Fair Assoc.	$ 315,000	$ ---------	$ 315,000
Economic Development Comm.	1,064,900	---------	1,064,900
Abandoned Motor Vehicles	---------	400,000	400,000
Highway Patrol	9,796,688	316,096	10,112,784
Highway Department	394,500	---------	394,500
Upper Great Plains Transportation Institute	347,546	---------	347,546
Motor Vehicle Dept.	---------	4,364,008	4,364,008
Commissioner of University & School Lands	---------	1,253,920	1,253,920
Industrial Commission	---------	24,235,298	24,235,298
Public Employees Retirement System & Group Insur.	---------	1,586,156	1,586,156
Teachers' Fund for Retirement	---------	897,042	897,042
Job Service North Dakota	32,444,525	---------	32,444,525
Workmen's Compensation Bureau	---------	3,953,097	3,953,097
Crime Victims Reparations	239,634	---------	239,634
Junior College Aid Reallocation	4,727,113	---------	4,727,113
Army National Guard & 164th Infantry Regiment History	---------	100,000	100,000
Capitol Security System	---------	125,000	125,000
School of Science Classroom (Auditorium)	---------	2,500,000	2,500,000
Total	932,091,442	517,156,498	1,449,247,940

SOURCE: Laws of North Dakota, Passed at the Forty-Seventh Session of the Legislative Assembly of the State of North Dakota, 1981, Vol. I.

TABLE 13.07

MAJOR STATE GENERAL FUND APPROPRIATIONS FOR ASSISTANCE TO POLITICAL SUBDIVISIONS FOR THE BIENNIUMS 1979-81 AND 1981-83

	1979-81	1981-83
Foundation Program[1]	$204,594,002[2]	$202,738,209[2]
Special Education	13,061,848[5]	19,558,128
Vocational Education	10,384,000	12,809,999
State Aid to Junior Colleges	4,727,113	6,311,036
Homestead Tax Credit	3,907,555[6]	6,690,000
School Lunch Program	1,283,605	1,891,080
Personal Property Tax Replacement	26,044,401[7]	29,377,000
Boys and Girls Clubwork	31,800	31,800
Insurance Tax to Fire Departments	3,181,154[4]	3,811,500
Indian Welfare Assistance to Counties	228,000	302,000
Political Subdivisions Liability Fund	50,000	-------
Soil Conservation District Grants	10,000	13,000
Water Commission Cooperative Projects with Local Entities	760,000	650,000
Rural Fire Protection Program	-------	200,000
Weather Modification Matching Funds	346,241	559,504
Law Enforcement Council Grants	66,667	17,000[10]
Aid to Health Districts	525,000	1,000,000
Social Service Board Reimbursement to Counties for Gen. Assistance Payments	842,220	1,702,886
Revenue Sharing	17,403,838[8]	21,840,000
Matching Funds to Counties & Cities for Senior Citizens Programs	1,000,000	1,200,000
Grants to Public Libraries	1,000,000	1,100,000
Grants to Airports	1,000,000	1,500,000
English Coulee Flood Control	-------	1,000,000
Noxious Weed Control	-------	250,000
State Funding of County Share of District Court Costs	-------	8,124,250
Career Education Grants	-------	60,000
Energy Development Impact Grants		10,000,000
Water Supply Facility Design for Southwestern North Dakota	-------	983,000
Flood Control in Eastern North Dakota with Red River Joint Water Resource Board	-------	500,000
Rehabilitation of Lakes	-------	300,000
Total	290,447,442	334,720,392
Percentage of Total General Fund Appropriations[3]	42.6%	37.0%

SOURCE: Prepared by the Legislative Council staff, revised April 1981.

[1] The foundation program amounts include funds for basis on need payments which were appropriated from 1955-57 through 1965-67.

TABLE 13.03

GROSS COLLECTIONS BY NORTH DAKOTA TAX COMMISSIONER BY TYPE OF TAX FOR FISCAL YEARS 1975-76 TO 1980-81

Fiscal Year	Sales & Use Tax	Income Tax	Cigarette & Tobacco Tax	Gross Prod. & Oil Extraction	Coal Severence Tax	Motor Vehicle Excise & Use Tax
1975-76	$ 95,814,435	$ 66,991,650	$8,680,460	$ 8,283,268	$ 4,310,529	$14,423,588
1976-77	96,961,320	73,609,661	8,569,736	9,288,175	6,129,859	13,262,383
1977-78	85,661,251	88,252,907	8,691,780	10,729,667	7,856,062	11,834,944
1978-79	93,864,307	81,437,365	8,646,262	13,532,669	11,970,225	15,081,145
1979-80	109,033,804	86,805,184	9,609,937	29,686,964	14,240,357	14,977,670
1980-81	115,792,375	100,173,092	9,724,680	87,559,397	15,829,551	13,716,415

Fiscal Year	Estate Tax	Coal Conv. & Trans. Line Tax	Motor Vehicle Fuel Tax	Bus. & Corp. Privilege Tax	Other	Total
1975-76	$ 424,414	$ 1,913,371	$27,268,385	$10,523,876	$ 7,199,168	$245,833,145
1976-77	2,719,678	1,071,354	29,417,614	9,234,010	8,531,715	258,795,505
1977-78	2,896,568	2,004,532	32,418,430	9,056,058	9,667,744	269,069,961
1978-79	3,527,621	2,523,763	33,695,760	10,235,469	10,889,435	285,409,021
1979-80	2,792,830	3,159,142	31,015,619	10,597,342	13,911,520	325,830,399
1980-81	2,517,141	3,343,036	28,596,208	11,449,832	14,212,067	402,913,796

SOURCE: North Dakota Tax Dept., Biennial Report, various years.

TABLE 13.07--Continued

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[2] In addition, federal revenue sharing funds of $25,300,000 for 1973-75, $12,000,000 for 1975-77, $11,000,000 for 1977-79, and $12,400,000 for 1979-81 were appropriated for the foundation program. There was also $4,400,000 of Vietnam bonus sinking funds appropriated for the foundation program in 1979-81 and $12,000,000 was appropriated by the 1981 Legislative Assembly as a deficiency appropriation for the 1979-81 biennium. See attached schedule for comparison of 1979-81 and 1981-83 appropriations for foundation aid.

[3] The total general fund appropriations used in calculating these percentages include appropriations for activities which are presently made from the general fund which previously were financed from special funds.

[4] This is $2,000,000 appropriated for the 1979-81 biennium plus $406,154 appropriated by the 1979 Legislature for a deficiency appropriation for the 1977-79 biennium and $775,000 appropriated by the 1981 Legislative Assembly for a deficiency appropriation for the 1979-81 biennium.

[5] Includes $12,739,351 appropriated by the 1979 Legislative Assembly and $322,497 appropriated by the 1981 Legislative Assembly for a deficiency appropriation for the 1979-81 biennium.

[6] Includes $3,550,000 appropriated by the 1979 Legislative Assembly and $357,555 appropriated by the 1981 Legislative Assembly for a deficiency appropriation for the 1979-81 biennium.

[7] Includes $25,896,447 appropriated by the 1979 Legislative Assembly and $147,954 appropriated by the 1981 Legislative Assembly for a deficiency appropriation for the 1979-81 biennium.

[8] Includes $16,077,500 appropriated by the 1979 Legislative Assembly and $1,326,338 appropriated by the 1981 Legislative Assembly for a deficiency appropriation for the 1979-81 biennium.

[9] Includes $6,590,000 appropriated for homestead tax credit in House Bill No. 1004 and $100,000 appropriated for homestead tax credit for special assessments in House Bill No. 1565.

[10] This amount is a reappropriation of outstanding grants already awarded. There are no new funds appropriated for the 1981-83 biennium.

TABLE 13.08

NORTH DAKOTA ESTATE TAXES ASSESSED BY COUNTY, SELECTED FISCAL YEARS, 1950-1981

County	FY 1950	FY 1960	FY 1970	FY 1978	FY 1979	FY 1980	FY 1981
NORTH DAKOTA	$356,054	$739,011	$2,605,381	$3,058,596	$3,455,704	$3,361,385	$2,819,553
Adams	3,050	3,926	24,381	14,466	12,375	11,972	27,321
Barnes	4,734	21,823	100,873	82,616	79,876	130,327	67,585
Benson	3,685	5,108	16,870	13,543	30,145	9,363	24,876
Billings	614	1,108	2,857	2,485	1,451	214	22,666
Bottineau	6,141	6,055	26,530	38,689	36,803	2,851	74,922
Bowman	1,545	8,832	14,225	50,304	12,001	55,433	12,260
Burke	1,644	8,834	28,862	14,439	5,429	47,279	35,588
Burleigh	21,215	35,840	184,800	68,698	189,149	173,549	255,669
Cass	52,117	105,290	257,994	780,851	517,659	717,360	419,830
Cavalier	3,976	11,313	69,895	50,168	18,886	16,752	46,753
Dickey	6,512	6,204	100,239	29,535	133,548	11,406	13,079
Divide	5,947	11,093	32,075	26,316	47,918	12,858	15,095
Dunn	1,733	2,042	11,205	9,564	1,568	30,638	13,819
Eddy	1,148	1,060	8,972	8,370	109,217	27,277	11,965
Emmons	634	3,648	7,745	22,082	4,415	2,743	7,275
Foster	976	3,883	7,560	27,922	24,141	125,867	15,915
Golden Valley	743	5,145	16,277	37,449	17,169	5,168	5,893
Grand Forks	38,757	53,251	253,082	181,030	253,391	165,810	125,884
Grant	1,422	4,832	9,300	7,271	4,843	24,317	16,680
Griggs	1,257	10,216	22,788	17,397	36,493	7,067	10,665
Hettinger	3,084	5,310	12,699	17,636	5,073	58,990	13,652
Kidder	442	1,707	22,887	7,973	1,578	26,652	1,388
LaMoure	337	6,836	40,575	64,365	55,930	38,355	14,833
Logan	403	2,388	38,805	6,723	31,293	4,431	14,610
McHenry	4,074	2,880	35,830	36,443	23,424	13,427	24,890
McIntosh	1,629	3,556	18,151	9,481	10,152	4,732	10,888
McKenzie	884	11,066	50,604	10,602	22,721	55,693	39,902
McLean	8,276	11,284	41,697	43,170	163,352	25,862	11,074
Mercer	1,547	1,774	7,899	15,249	72,698	41,473	35,289
Morton	5,851	9,401	74,757	67,201	68,015	81,755	18,162

TABLE 13.08--Continued

County	FY 1950	FY 1960	FY 1970	FY 1978	FY 1979	FY 1980	FY 1981
Mountrail	$ 1,028	$ 8,299	$ 46,923	$ 24,153	$ 61,726	$ 11,843	$ 34,176
Nelson	4,028	8,389	16,183	19,968	130,731	19,245	14,686
Oliver	761	654	501	388	1,233	340	13,297
Pembina	24,915	31,567	73,399	44,758	193,414	106,950	165,815
Pierce	6,029	6,217	11,645	20,228	10,710	4,833	15,118
Ramsey	6,593	28,828	66,123	66,216	94,352	159,423	45,692
Ransom	8,852	19,483	37,479	79,409	18,998	13,393	10,606
Renville	1,596	3,968	23,457	53,210	13,269	66,794	64,447
Richland	8,740	39,935	107,663	76,779	121,830	119,547	390,207
Rolette	4,574	2,761	25,591	23,154	52,874	79,824	19,339
Sargent	3,082	3,047	16,999	6,683	17,681	8,653	25,748
Sheridan	300	355	7,249	1,901	12,980	1,722	10,073
Sioux	80	447	7,046	1,337	633	0	339
Slope	1,451	3,146	23,950	661	407	6,015	5,077
Stark	7,816	13,656	51,860	166,241	73,675	72,880	78,033
Steele	1,354	5,240	28,163	55,527	48,744	13,391	22,709
Stutsman	22,616	14,396	91,627	97,706	205,700	37,267	47,293
Towner	9,381	7,369	22,894	54,860	14,856	19,230	8,199
Traill	22,981	17,293	58,055	74,301	72,518	124,681	115,816
Walsh	6,162	35,732	90,069	183,739	45,995	52,043	129,912
Ward	17,251	73,890	139,534	133,754	95,712	315,948	60,909
Wells	1,044	7,177	44,553	67,456	136,092	50,423	39,738
Williams	5,935	40,401	73,422	42,359	40,857	146,378	93,790
Miscellaneous	---	---	---	1,769	---	938	106

SOURCE: North Dakota Tax Dept., Biennial Report of the Tax Commissioner, various years.

TABLE 13.09

NORTH DAKOTA SALES* AND USE TAX COLLECTIONS BY QUARTERS, SELECTED YEARS, 1955-1982

Year	Quarter Ending March 31st	Quarter Ending June 30th	Quarter Ending Sept. 30th	Quarter Ending Dec. 31st	Calender Year Total
1955	$ 3,467,218	$ 2,520,999	$ 3,205,146	$ 3,809,723	$ 13,003,086
1960	3,933,096	3,001,857	3,893,181	4,340,570	15,168,704
1965	6,130,059	4,587,995	6,110,965	5,777,589	22,606,608
1970	10,325,761	9,032,772	11,905,672	13,465,009	44,729,215
1975	22,750,525	16,923,009	22,400,728	26,725,684	88,799,947
1976	26,467,743	20,220,279	26,442,629	27,926,550	101,057,202
1977	27,514,854	15,077,287	24,270,502	22,634,209	89,496,851
1978	22,060,582	16,695,958	23,333,976	25,971,478	88,061,994
1979	25,764,996	18,780,893	26,176,130	30,406,019	101,128,039
1980	30,393,753	22,057,900	27,535,756	30,054,293	110,041,705
1981	32,826,541	25,375,784	32,006,516	35,237,769	125,446,610
1982	37,074,502	26,396,528	31,443,816	36,434,313	131,349,159

SOURCE: North Dakota Tax Dept., North Dakota Sales and Use Tax Statistical Report, various years.

* The sales tax rate has varied over the years.

TABLE 13.10

COMPARISON OF TAXABLE SALES AND TAXABLE PURCHASES BY INDUSTRY, FY 1980 AND FY 1981

	Taxable Sales and Taxable Purchases 4th Quarter, 1979, through 3rd Quarter, 1980	Taxable Sales and Taxable Purchases 4th Quarter, 1980, through 3rd Quarter, 1981	Percentage Change
Mining & Oil Ext.			
Coal Mining	$ 3,986,885	$ 3,760,707	5.67%
Oil & Gas Extraction	81,809,269	157,301,655	92.28
Other Mining	4,186,759	4,795,812	14.55
Construction	174,055,626	196,742,619	13.03
Manufacturing	333,689,375	312,041,297	-6.49
Transportation, Communication & Pub. Util.			
Transportation	28,722,994	55,260,606	92.39
Communication	96,750,817	106,126,557	9.69
Gas & Sanitary Services	128,447,297	128,719,882	.21
Wholesale Trade			
Durable Goods	720,803,381	883,710,481	22.60
Non-durable Goods	223,606,624	275,135,650	23.04
Retail Trade			
Building Materials, Hardware, Paint, Glass, & Garden Supply	284,288,683	270,213,164	-4.95
Mobile Home Dealers	29,061,881	27,138,709	-6.62
Department Stores	202,119,324	227,023,782	12.32
Variety & General Merchandise Stores	80,411,018	88,939,938	10.61
Food Stores	102,605,763	113,545,581	10.66
Automotiive Dealers & Gas Service Stations	162,215,028	180,226,863	11.10
Apparel & Accessory Stores	132,670,481	141,803,708	6.88
Furniture, Home Furnishings, & Equipment Stores	118,317,980	124,432,761	5.17
Eating Places	164,595,056	184,003,831	11.79
Drinking Places	130,997,985	144,026,335	9.95
Miscellaneous Retail Stores	218,067,463	247,931,586	13.69

TABLE 13.10--Continued

	Taxable Sales and Taxable Purchases 4th Quarter, 1979, through 3rd Quarter, 1980	Taxable Sales and Taxable Purchases 4th Quarter, 1980, through 3rd Quarter, 1981	Percentage Change
Services			
Hotels, Motels & Tourist Courts	$ 62,847,881	$ 72,659,125	15.61%
Rooming Houses, Camps & Other Lodging Places	207,483	279,879	34.89
Personal Services	14,265,318	15,925,369	11.64
Business Services	76,794,695	96,303,714	25.40
Repair Services	52,502,025	61,209,378	16.58
Entertainment Services	31,550,606	36,610,448	16.04
Health Services	2,442,240	3,003,528	22.98
Membership Organizations	21,039,915	22,805,405	8.39
Miscellaneous Services	951,755	1,765,065	85.45
Miscellaneous	22,913,043	36,852,576	60.84
Grand Total	3,706,924,650	4,220,296,011	13.85

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, Annual 1981.

TABLE 13.11

SALES AND USE TAX COLLECTIONS BY NORTH DAKOTA COUNTY, CALENDAR YEARS, 1975-1981

County	1975	1976	1977	1978	1979	1980	1981
Adams	$ 372,081	$ 407,408	$ 302,888	$ 328,607	$ 356,354	$1,325,336	$ 367,733
Barnes	1,625,399	1,662,997	1,261,018	1,357,103	1,533,902	1,392,669	1,455,394
Benson	398,664	419,276	243,957	262,497	308,522	288,947	320,364
Billings	64,503	64,629	54,031	59,583	64,896	78,150	108,085
Bottineau	933,243	931,663	634,623	683,161	740,693	893,909	985,622
Bowman	556,746	500,062	401,683	419,200	452,698	475,126	553,955
Burke	328,707	369,890	240,632	199,594	225,699	222.008	251,063
Burleigh	8,169,274	7,887,979	7,172,030	7,489,415	8,510,226	9,309,267	9,395,464
Cass	16,063,463	16,145,562	14,602,157	14,653,593	16,789,219	14,647,983	15,145,295
Cavalier	1,541,454	1,583,521	1,132,081	534,146	592,540	600,794	597,858
Dickey	601,947	641,610	529,985	543,485	596,304	560,934	609,903
Divide	288,956	310,962	202,509	221,097	256,424	257,310	277,708
Dunn	163,783	180,796	136,667	258,262	321,464	342,185	425,932
Eddy	282,299	324,797	237,926	284,438	320,020	267,365	261,689
Emmons	383,107	393,094	291,545	332,705	388,333	362,923	396,452
Foster	767,178	789,757	490,173	530,250	618,708	581,391	607,658
Golden Valley	205,740	270,813	167,348	195,173	216,077	216,004	285,525
Grand Forks	8,243,285	8,144,129	7,032,001	6,775,459	7,378,623	7,304,071	8,028,536
Grant	185,771	210,456	173,247	198,722	207,686	189,895	204,850
Griggs	453,427	479,228	269,536	281,651	341,580	334,223	366,760
Hettinger	452,698	476,462	394,692	393,161	439,070	389,648	408,126
Kidder	196,474	204,426	132,964	150,200	163,978	142,394	145,394
LaMoure	631,031	562,316	372,665	423,333	476,959	445,566	464,090
Logan	274,054	294,054	206,339	227,545	262,906	229,558	243,772
McHenry	501,588	410,937	288,047	298,757	349,831	335,271	372,957
McIntosh	311,519	328,225	253,362	311,042	350,236	318,919	350,032
McKenzie	377,754	383,352	260,084	305,890	510,093	625,070	824,341
McLean	872,529	1,036,423	1,421,230	818,429	840,721	795,679	882,739
Mercer	866,577	542,226	412,755	527,354	706,118	755,658	761,413
Morton	2,108,152	2,423,959	2,011,995	2,187,215	2,454,425	2,382,869	2,457,135

TABLE 13.11--Continued

County	1975	1976	1977	1978	1979	1980	1981
Mountrail	$ 550,732	$ 497,295	$ 346,371	$ 372,145	$ 428,728	$ 461,826	$ 501,009
Nelson	618,710	771,470	453,790	417,843	467,408	451,942	509,151
Oliver	27,172	47,396	41,580	36,644	36,867	37,261	34,186
Pembina	809,013	872,700	652,705	607,692	651,146	690,672	751,659
Pierce	612,290	709,629	472,066	528,000	575,535	518,623	629,186
Ramsey	1,954,869	2,053,094	1,546,302	1,493,931	1,776,066	1,768,718	1,883,073
Ransom	617,000	574,280	436,533	459,010	511,229	495,533	516,943
Renville	333,170	366,581	247,409	267,169	279,247	315,983	395,815
Richland	1,585,512	1,703,876	1,299,484	1,394,329	1,564,630	1,577,074	1,697,688
Rolette	680,339	721,015	488,582	509,125	528,861	523,277	543,372
Sargent	492,267	494,032	324,996	328,457	369,234	370,470	371,458
Sheridan	178,001	163,236	90,982	97,504	103,148	91,447	111,858
Sioux	16,859	17,454	11,799	12,012	14,544	13,662	14,225
Slope	5,858	6,882	5,614	7,130	6,556	7,296	8,069
Stark	2,212,189	2,588,521	2,230,573	2,582,162	3,512,210	4,672,481	6,241,932
Steele	271,070	252,543	151,148	161,173	173,808	163,625	169,380
Stutsman	2,626,528	3,061,651	2,403,637	2,481,492	2,728,718	2,726,385	2,767,186
Towner	452,860	407,807	271,620	293,592	348,185	317,875	368,596
Traill	855,567	875,650	613,084	582,052	668,101	642,430	693,140
Walsh	1,785,334	1,942,487	1,348,796	1,327,975	1,358,235	1,366,205	1,620,735
Ward	7,727,953	7,647,143	6,141,725	6,240,571	7,142,056	7,387,550	8,290,036
Wells	671,541	811,033	547,215	593,912	677,495	721,872	702,992
Williams	2,561,501	3,056,848	2,727,474	3,250,343	4,444,784	6,739,869	9,632,299
Consolidate Adjustment	NA	8,350,610	4,991,670	4,452,449	5,542,223	10,226,291	11,210,444
Out-of-state	10,919,684	12,768,814	14,304,748	16,806,919	18,119,486	22,782,213	28,226,330
Grand Total*	86,787,447	99,143,056	83,480,073	86,554,698	98,802,805	110,041,705	125,446,610

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

* Grand Total--In-state and Out-of-state.

Note: Year-to-year changes in tax rate tax base and taxable items have affected the totals shown here.

TABLE 13.12

TAXABLE SALES AND TAXABLE PURCHASES BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1981

County	1970	1975	1976	1977
Adams	$ 6,522,830	$ 9,345,731	$ 10,226,875	$ 9,684,714
Barnes	23,263,117	40,759,924	41,763,659	40,560,828
Benson	5,995,796	9,980,311	10,526,685	8,143,785
Billings	825,267	1,637,932	1,614,977	1,784,869
Bottineau	12,993,548	23,358,322	23,281,832	20,549,703
Bowman	7,334,284	13,953,116	12,547,949	13,941,003
Burke	6,736,983	8,423,047	9,435,588	7,560,947
Burleigh	111,068,677	213,056,298	199,079,648	221,871,717
Cass	215,140,032	413,545,111	406,408,496	453,369,306
Cavalier	10,359,191	38,727,780	39,598,668	36,682,112
Dickey	12,042,680	15,207,434	16,080,916	18,335,436
Divide	5,620,296	7,244,821	7,825,117	6,447,829
Dunn	3,219,940	4,100,826	4,525,128	4,465,521
Eddy	5,054,136	7,253,947	8,332,040	7,646,917
Emmons	8,083,789	9,633,534	9,835,472	9,254,275
Foster	10,135,471	19,241,079	19,814,528	16,458,892
Golden Valley	3,456,964	5,143,644	6,764,725	5,520,920
Grand Forks	115,997,191	207,808,846	204,206,387	218,748,635
Grant	4,089,747	4,662,333	5,271,858	5,188,050
Griggs	6,273,814	11,337,553	11,999,555	9,053,333
Hettinger	7,766,239	11,546,538	11,912,004	12,495,636
Kidder	3,271,825	4,924,350	5,107,931	4,764,824
LaMoure	9,007,418	15,837,386	14,087,248	12,862,926
Logan	4,295,024	6,883,170	7,349,430	6,832,516
McHenry	9,195,222	12,569,963	10,305,784	9,114,091
McIntosh	6,373,766	7,815,166	8,223,062	8,707,648
McKenzie	5,729,274	9,442,840	9,586,868	8,385,644
McLean	12,537,891	21,832,147	25,922,113	47,633,112
Mercer	10,887,469	21,721,426	13,700,008	13,106,617
Morton	31,586,163	52,932,584	61,089,460	63,814,061

TABLE 13.12--Continued

County	1970	1975	1976	1977
Mountrail	$ 10,426,523	$ 13,763,964	$ 12,701,080	$ 10,952,820
Nelson	7,983,898	15,506,178	19,290,297	14,926,448
Oliver	582,993	793,451	1,281,370	1,296,795
Pembina	12,273,024	20,306,603	21,814,961	20,557,097
Pierce	9,152,243	15,314,427	17,741,846	15,689,557
Ramsey	27,247,299	49,037,289	51,423,677	48,944,138
Ransom	11,141,301	15,555,671	14,563,920	14,221,619
Renville	4,232,262	8,333,875	9,158,741	7,862,678
Richland	19,505,555	39,784,648	43,384,086	41,055,217
Rolette	10,432,913	17,082,957	18,066,387	15,476,277
Sargent	5,970,582	12,318,873	12,371,062	10,580,434
Sheridan	2,794,528	4,647,702	4,239,717	2,830,961
Sioux	1,435,241	422,004	483,318	372,227
Slope	208,304	146,394	173,895	184,865
Stark	36,154,773	55,525,047	64,926,545	70,136,432
Steele	3,515,413	6,790,158	6,320,281	5,008,045
Stutsman	37,222,662	65,790,286	76,881,248	76,666,964
Towner	6,413,341	11,358,505	10,223,895	8,858,921
Traill	11,370,729	21,427,167	21,899,608	20,160,327
Walsh	24,185,973	45,487,005	48,790,938	43,724,485
Ward	104,771,275	194,205,532	192,826,244	192,137,716
Wells	11,295,083	18,114,574	21,339,354	16,995,999
Williams	39,355,083	64,330,195	76,560,721	85,554,751
Consolidate	---	---	208,770,173	146,355,393
Out-of-state	116,629,045	273,503,405	319,633,141	445,629,234
Grand Total	1,189,164,113	2,199,473,119	2,491,290,516	2,619,165,267

TABLE 13.12--Continued

County	1978	1979	1980	1981*
Adams	$ 11,786,912	$ 12,627,258	$ 11,559,155	$ 13,429,381
Barnes	49,118,025	55,693,322	50,566,059	54,148,928
Benson	9,856,928	11,927,686	11,126,615	12,250,588
Billings	1,985,630	2,163,064	2,602,870	3,584,031
Bottineau	24,849,108	27,797,114	32,794,174	36,007,474
Bowman	15,365,308	16,450,968	16,928,980	20,158,624
Burke	7,609,790	8,259,080	7,913,126	8,976,178
Burleigh	252,378,630	286,228,515	317,516,251	317,913,248
Cass	499,737,338	572,873,872	504,242,051	518,579,589
Cavalier	19,552,757	22,101,199	22,537,321	22,912,351
Dickey	20,360,679	22,892,813	22,513,750	24,927,828
Divide	7,836,453	9,148,530	9,232,850	10,023,545
Dunn	9,590,678	11,317,983	11,904,744	14,896,567
Eddy	10,682,305	12,902,198	11,001,942	9,924,596
Emmons	12,041,413	14,158,965	13,127,922	14,996,733
Foster	19,774,393	22,712,923	21,526,359	22,916,212
Golden Valley	7,506,599	8,388,355	7,872,948	10,959,102
Grand Forks	230,830,624	255,206,862	252,912,618	275,158,533
Grant	7,120,514	7,488,283	6,867,484	7,997,189
Griggs	10,607,940	13,125,296	12,801,979	14,387,174
Hettinger	14,015,323	15,806,324	13,909,082	14,694,985
Kidder	5,628,648	5,946,006	5,161,938	5,152,437
LaMoure	16,848,151	18,794,628	17,188,565	18,770,758
Logan	8,661,632	10,114,200	8,770,170	9,313,878
McHenry	10,401,140	12,338,759	11,877,310	13,053,597
McIntosh	11,562,485	13,040,926	11,636,176	12,840,443
McKenzie	11,101,572	17,954,206	21,702,842	28,888,666
McLean	31,055,722	31,631,384	29,855,294	33,506,553
Mercer	18,379,738	24,318,689	26,011,525	26,224,475
Morton	76,327,199	85,413,691	84,413,367	87,197,792

TABLE 13.12--Continued

County	1978	1979	1980	1981*
Mountrail	$ 13,105,386	$ 15,247,049	$ 16,450,135	$ 18,399,103
Nelson	16,051,245	18,300,275	17,527,373	19,911,746
Oliver	1,327,112	1,301,738	1,622,172	1,278,983
Pembina	21,301,488	23,175,744	24,953,725	27,433,959
Pierce	19,341,327	21,995,066	20,605,188	25,364,821
Ramsey	52,455,743	62,242,603	61,806,698	65,888,389
Ransom	16,561,089	18,525,579	18,111,236	19,136,436
Renville	9,533,058	9,949,828	10,910,125	13,840,196
Richland	49,239,950	55,382,416	55,844,236	60,237,579
Rolette	17,859,180	18,651,063	18,556,423	19,101,742
Sargent	11,984,072	14,163,636	13,948,292	14,552,514
Sheridan	3,461,739	3,895,443	3,328,400	4,132,533
Sioux	421,384	497,001	455,287	529,094
Slope	233,912	226,695	251,274	261,251
Stark	88,885,175	121,224,370	158,650,387	214,289,900
Steele	5,194,845	6,483,841	5,876,963	6,225,626
Stutsman	86,417,350	96,069,901	96,498,559	100,087,830
Towner	11,450,875	13,565,464	12,355,847	14,180,665
Traill	21,168,790	24,948,642	23,880,890	26,187,973
Walsh	48,009,673	49,964,724	50,226,170	60,008,685
Ward	213,974,346	245,243,720	253,578,705	287,566,285
Wells	23,211,760	25,144,590	23,871,870	27,016,016
Williams	110,780,252	151,658,164	227,380,682	324,202,029
Consolidate	150.507,852	184,669,971	251,741,060	269,929,971
Out-of-state	563,194,429	608,321,092	760,417,486	936,741,230
Grand Total	2,988,245,666	3,419,671,714	3,706,924,650	4,220,296,011

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

* Data for 1981 are from 4th quarter 1980 through 3rd quarter 1981.

Note: Year-to-year changes in tax rate tax base and taxable items have affected the totals shown here.

TABLE 13.13

TAXABLE SALES AND PURCHASES AND SALES AND USE TAX PAID IN NORTH DAKOTA'S LARGEST CITIES, 1976-1981

City	Taxable Sales and Purchases[1,2]					
	1976	1977	1978	1979	1980	1981
Fargo	$369,922,169	$417,144,216	$453,419,711	$515,860,781	$451,323,763	$462,791,182
Bismarck	191,262,509	219,451,987	249,996,004	283,629,660	314,769,714	315,060,315
Grand Forks	182,238,640	198,821,578	208,400,705	230,852,177	229,782,890	249,818,136
Minot	175,272,474	177,545,527	193,799,295	221,485,623	231,782,878	261,468,812
Jamestown	70,839,242	70,598,110	79,484,772	90,170,895	91,395,005	95,841,191
Dickinson	58,462,937	64,140,455	80,459,598	110,730,208	145,971,056	193,121,462
Mandan	48,869,309	52,268,981	61,550,789	69,068,065	68,953,802	70,834,794
Williston	58,470,486	66,076,019	86,948,401	113,096,990	158,759,199	245,129,599
West Fargo	13,075,497	14,122,407	16,448,805	20,410,996	20,737,547	20,524,267
Wahpeton	29,414,391	27,401,711	32,549,977	37,407,897	38,075,570	41,014,884
Valley City	34,316,900	33,593,520	41,252,352	47,236,260	42,919,223	46,283,325
Devils Lake	46,457,063	44,012,659	46,236,242	55,225,122	55,122,584	58,488,903
Grafton	29,646,860	26,604,573	29,443,336	31,151,807	32,600,795	40,080,853

TABLE 13.13--Continued

City	Tax Collections[2]					
	1976	1977	1978	1979	1980	1981
Fargo	$14,691,980	$13,517,542	$13,425,728	$15,307,821	$15,689,510	$13,713,187
Bismarck	7,600,225	7,091,607	7,418,970	8,433,179	6,761,304	9,309,465
Grand Forks	7,272,685	6,445,577	6,184,083	6,746,522	6,734,380	7,376,445
Minot	6,948,189	5,697,860	5,707,115	6,528,398	6,916,706	7,617,569
Jamestown	2,819,911	2,218,976	2,283,399	2,562,349	2,683,736	2,643,846
Dickinson	2,332,023	2,052,721	2,360,334	3,225,605	4,314,143	5,638,765
Mandan	1,935,011	1,649,470	1,778,485	2,002,446	1,952,726	2,010,742
Williston	2,355,679	2,109,617	2,556,504	3,308,043	4,701,335	7,291,457
West Fargo	517,938	444,862	470,231	577,895	580,102	561,889
Wahpeton	1,161,608	885,729	949,243	1,091,709	1,104,502	1,197,928
Valley City	1,370,329	1,052,499	1,162,704	1,322,788	1,199,850	1,251,474
Devils Lake	1,856,593	1,393,731	1,325,513	1,585,417	1,583,654	1,683,260
Grafton	1,180,968	834,296	825,335	853,819	899,498	1,087,460

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

[1] Excludes purchases by retailers and purchases for own use.

[2] Taxable sales and purchases are for the 4th quarter of the preceeding year through the 3rd quarter of the reported year while taxes paid are for the calender year.

TABLE 13.17

RATIO OF ASSESSED VALUATION OF EACH CLASS OF PROPERTY TO TOTAL GENERAL PROPERTY ASSESSED VALUATION IN NORTH DAKOTA, SELECTED YEARS, 1935-1981

Year	Farm Lands	Other Real Estate	Homestead Credit Allowance	Personal	Railroad and Utility
1935	58.46	14.43	-----	10.87	16.24
1940	56.21	15.87	-----	11.89	16.03
1945	51.59	15.66	-----	16.14	16.61
1950	47.99	16.77	-----	20.13	15.00
1955	43.66	18.84	-----	22.96	14.54
1960	42.08	21.17	-----	21.37	14.38
1965	41.38	26.18	-----	19.76	12.68
1970	51.73	36.89	(.26)*	.03	11.61
1975	51.89	38.90	(.41)	.03	9.59
1976	50.34	41.00	(.41)	.03	9.04
1977	52.50	39.60	(.72)	.02	8.60
1978	50.51	41.61	(.79)	.02	8.65
1979	48.62	43.50	(.73)	.02	8.59
1980	47.93	44.46	(.82)	.02	8.41
1981	49.35	44.38	(.81)	0	7.08

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, various years.

* Effective for the first time in 1970 pursuant to Section 57-02-08.1, NDCC, (added by Chapter 470, S.L., 1969).

TABLE 13.18

TOTAL STATE AND LOCAL PROPERTY AND SPECIAL TAXES: BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1980

County	1970	1975	1976	1977
NORTH DAKOTA	$106,482,801	$135,055,887	$146,655,808	$159,894,291
Adams	809,305	1,095,948	1,082,294	1,256,477
Barnes	2,892,764	3,459,516	3,862,190	4,147,513
Benson	1,315,990	1,715,351	1,777,567	1,900,180
Billings	242,684	277,496	280,756	284,760
Bottineau	1,982,879	2,359,981	2,732,424	2,814,107
Bowman	719,950	1,055,192	993,797	1,056,500
Burke	933,265	1,040,450	1,094,969	1,096,122
Burleigh	6,810,503	10,087,549	11,216,946	12,489,835
Cass	14,149,011	19,298,053	21,074,871	23,876,333
Cavalier	1,801,502	2,386,523	2,500,975	2,724,804
Dickey	1,227,954	1,534,792	1,723,984	1,912,286
Divide	1,013,264	1,286,276	1,420,161	1,476,893
Dunn	847,604	1,046,397	1,037,262	1,061,310
Eddy	746,970	839,325	820,497	882,387
Emmons	977,677	1,367,266	1,419,484	1,420,755
Foster	894,404	1,072,874	1,216,921	1,309,895
Golden Valley	539,877	700,916	712,431	781,222
Grand Forks	9,089,172	11,927,347	12,833,757	14,533,762
Grant	970,878	1,025,911	1,027,247	1,107,498
Griggs	870,440	1,099,744	1,204,604	1,288,502
Hettinger	1,060,742	1,125,274	1,232,661	1,318,960
Kidder	731,282	1,001,723	1,054,398	1,085,840
LaMoure	1,322,051	1,612,857	1,790,064	1,876,703
Logan	682,306	866,257	919,432	956,639
McHenry	1,676,700	1,888,802	1,941,880	2,092,098
McIntosh	958,064	1,038,902	1,050,936	1,085,835
McKenzie	947,278	1,318,110	1,372,250	1,467,478
McLean	1,772,001	2,132,860	2,334,494	2,703,351
Mercer	851,773	1,065,001	1,298,123	1,491,680
Morton	3,057,985	4,027,518	4,374,971	4,865,191
Mountrail	1,438,610	1,705,539	1,714,093	1,758,613
Nelson	1,276,771	1,569,369	1,748,329	1,738,342
Oliver	485,826	535,172	541,729	635,696
Pembina	2,348,269	2,817,525	3,191,019	3,314,384
Pierce	1,204,359	1,352,489	1,439,771	1,560,716

TABLE 13.18--Continued

County	1970	1975	1976	1977
Ramsey	$ 2,405,118	$ 3,050,108	$ 3,506,387	$ 3,707,172
Ransom	1,061,420	1,471,907	1,617,993	1,857,523
Renville	883,227	1,013,245	1,055,718	1,075,976
Richland	3,257,657	4,116,385	4,459,140	4,871,342
Rolette	889,097	1,093,921	1,158,402	1,295,298
Sargent	944,675	1,290,069	1,380,423	1,458,625
Sheridan	608,118	744,866	799,700	874,999
Sioux	244,897	349,519	348,470	363,970
Slope	420,438	504,273	489,312	506,696
Stark	2,622,783	3,411,000	3,707,674	4,251,415
Steele	983,334	1,202,801	1,309,233	1,400,469
Stutsman	4,038,632	5,050,091	5,480,627	5,754,215
Towner	1,072,927	1,308,782	1,348,820	1,493,300
Traill	2,091,133	2,559,949	2,956,560	3,112,258
Walsh	3,157,007	3,813,537	4,156,852	4,521,723
Ward	8,040,962	9,359,027	10,434,534	11,191,159
Wells	1,406,413	1,751,885	1,982,422	2,192,733
Williams	3,654,857	4,230,218	4,426,195	4,592,555

County	1978	1979	1980
NORTH DAKOTA	$169,814,957	$182,915,640	$199,727,658
Adams	1,330,531	1,291,580	1,484,742
Barnes	4,351,996	4,636,578	5,104,120
Benson	1,945,929	1,997,673	2,291,068
Billings	313,839	327,601	131,249
Bottineau	2,937,156	3,108,765	3,357,380
Bowman	1,113,043	1,190,999	1,171,263
Burke	1,093,111	1,200,297	1,209,892
Burleigh	14,384,335	16,567,797	18,944,114
Cass	25,782,912	27,543,554	28,885,209
Cavalier	2,633,494	2,687,746	2,954,134
Dickey	2,014,121	2,059,949	2,210,805
Divide	1,561,581	1,612,177	1,704,178
Dunn	1,076,979	1,161,672	1,269,608
Eddy	963,934	1,062,108	1,263,413
Emmons	1,574,926	1,696,237	1,848,669
Foster	1,481,833	1,620,595	1,665,008
Golden Valley	848,944	836,490	887,297
Grand Forks	15,424,603	16,059,190	17,149,811
Grant	1,192,473	1,294,238	1,403,340
Griggs	1,273,865	1,339,635	1,580,207

TABLE 13.18--Continued

County	1978	1979	1980
Hettinger	$ 1,333,860	$ 1,372,585	$ 1,491,629
Kidder	1,094,708	1,141,248	1,284,104
LaMoure	1,976,005	1,964,607	2,100,425
Logan	967,225	998,102	1,121,689
McHenry	2,149,200	2,146,452	2,257,018
McIntosh	1,147,707	1,206,346	1,330,925
McKenzie	1,518,663	1,630,969	1,679,896
McLean	2,903,848	3,169,280	3,406,385
Mercer	1,797,728	2,535,970	3,670,229
Morton	5,700,824	6,224,067	6,726,945
Mountrail	1,848,244	1,953,119	1,965,229
Nelson	1,832,872	1,835,459	2,048,478
Oliver	645,766	647,125	715,576
Pembina	3,400,720	3,651,701	3,550,306
Pierce	1,600,854	1,707,100	1,956,507
Ramsey	4,025,168	4,300,089	4,569,616
Ransom	1,833,041	1,992,787	2,163,888
Renville	1,150,775	1,192,065	1,223,125
Richland	4,968,198	5,455,689	6,070,261
Rolette	1,383,086	1,537,442	1,732,494
Sargent	1,515,330	1,599,964	1,744,151
Sheridan	852,078	889,499	936,001
Sioux	368,143	403,968	453,541
Slope	518,669	545,066	581,902
Stark	4,576,695	5,272,707	6,011,869
Steele	1,364,199	1,531,045	1,704,129
Stutsman	6,141,053	6,714,663	7,512,616
Towner	1,587,959	1,718,214	1,830,491
Traill	3,362,283	3,505,380	3,634,841
Walsh	4,724,664	4,946,554	5,650,228
Ward	11,251,125	12,196,973	13,058,662
Wells	2,161,292	2,252,812	2,552,571
Williams	4,813,370	5.381,713	6,476,428

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, various years.

TABLE 13.19

TAXABLE VALUATION OF PROPERTY SUBJECT TO THE GENERAL PROPERTY TAX BY NORTH DAKOTA COUNTY, 1970 AND 1978-1981 (50% of Assessed Valuation)

County	1970	1978	1979	1980	1981
NORTH DAKOTA	$612,318,895	$804,079,272	$834,659,936	$872,910,494	$919,137,468
Adams	5,231,390	7,764,766	7,846,260	8,094,722	6,824,849
Barnes	16,146,505	22,507,794	22,739,042	22,856,614	23,207,411
Benson	8,151,717	9,812,167	10,082,719	10,752,281	12,031,326
Billings	2,410,090	2,568,036	3,193,019	4,114,246	4,809,338
Bottineau	12,146,867	13,414,992	13,599,366	13,777,959	16,492,419
Bowman	4,896,981	6,583,659	6,622,166	6,719,958	7,009,362
Burke	5,872,301	6,469,422	6,661,294	6,446,965	6,821,148
Burleigh	34,240,300	56,533,468	61,331,737	66,742,576	65,238,156
Cass	67,235,309	101,966,545	106,908,042	109,576,789	111,385.846
Cavalier	11,351,020	14,118,281	14,177,641	15,402,560	16,326,796
Dickey	7,952,329	11,210,172	11,357,674	11,464,919	12,384,757
Divide	5,729,265	7,345,652	7,556,640	7,621,530	8,486,971
Dunn	6,418,464	6,796,316	6,897,860	7,059,065	7,976,729
Eddy	4,431,072	5,104,477	5,136,580	5,509,936	5,821,986
Emmons	6,907,905	9,328,691	9,374,960	10,880,431	9,605,312
Foster	6,037,111	7,900,668	8,045,003	8,590,083	8,278,127
Golden Valley	4,266,691	5,385,415	5,384,091	5,530,759	5,209,700
Grand Forks	43,615,491	59,157,521	61,858,766	63,694,450	64,656,998
Grant	6,075,768	6,835,923	6,906,156	7,041,072	8,630,765
Griggs	5,796,274	6,793,957	6,795,856	6,850,177	7,316,327
Hettinger	7,179,257	7,813,225	7,882,270	7,910,986	7,980,400
Kidder	4,956,757	6,557,834	6,573,713	7,150,961	7,848,322
LaMoure	8,016,814	11,716,774	11,789,891	12,580,169	12,577,766
Logan	4,566,126	5,512,580	5,572,114	6,255,934	6,626,050
McHenry	9,806,033	10,930,078	11,000,556	11,045,271	12,874,164
McIntosh	6,246,121	6,278,100	6,299,028	7,210,045	7,497,721
McKenzie	7,109,946	9,375,777	9,554,474	10,068,497	11,801,555
McLean	10,755,227	15,615,166	16,260,310	16,547,124	17,237,033
Mercer	5,862,307	8,384,163	13,135,561	17,112,530	10,611,231
Morton	20,568,752	26,551,657	28,065,462	30,169,995	31,062,159

TABLE 13.19--Continued

County	1970	1978	1979	1980	1981
Mountrail	$ 8,163,250	$ 9,098,908	$ 9,106,917	$ 9,110,078	$ 11,249,715
Nelson	7,999,325	8,893,724	8,907,704	9,108,704	10,019,466
Oliver	2,984,958	3,691,682	3,768,900	3,787,273	4,338,436
Pembina	16,547,895	18,422,975	18,565,425	16,906,432	22,868,824
Pierce	7,532,025	8,449,746	8,587,806	9,168,633	9,628,793
Ramsey	13,502,232	17,577,014	17,834,902	17,918,447	18,272,415
Ransom	6,986,170	8,819,314	8,957,707	9,075,023	10,533,365
Renville	5,335,060	6,457,133	6,501,242	6,526,229	6,583,806
Richland	19,929,720	24,208,287	24,621,391	25,956,684	28,788,501
Rolette	5,317,385	7,037,839	7,186,110	7,772,623	8,305,545
Sargent	6,300,279	8,192,655	8,163,694	8,207,447	9,606,131
Sheridan	4,037,048	4,668,117	4,664,950	4,677,782	5,603,390
Sioux	1,838,591	2,414,804	2,432,687	2,430,836	2,281,251
Slope	3,283,355	3,564,644	3,556,540	3,552,455	4,236,879
Stark	15,520,066	22,904,409	24,593,518	26,410,008	28,735,833
Steele	6,587,674	8,235,656	8,263,380	8,253,007	9,157,406
Stutsman	22,397,818	31,973,708	33,780,405	35,921,076	39,022,242
Towner	7,043,567	7,988,391	8,048,778	8,189,190	10,571,463
Traill	13,082,368	16,663,784	16,804,801	17,144,255	18,565,116
Walsh	18,125,968	21,528,233	21,729,768	22,999,447	27,322,532
Ward	38,493,708	50,223,188	52,134,476	54,261,411	55,296,998
Wells	9,941,288	12,769,875	12,865,580	13,839,985	13,075,318
Williams	21,388,955	23,961,910	24,975,004	26,923,865	30,433,319

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, various years.

TABLE 13.21--Continued

County	Total State and Local Property and Special Taxes	State Taxes State Medical Center	R.E. Coop, Bank, Savings & Loan Mobile Homes, Woodland & Game Management Area Taxes	Total State Taxes
Mountrail	$ 2,252,519.75	$ 11,249.72	$ 411.84	$ 11,661.56
Nelson	2,161,223.86	10,019.47	369.69	10,389.16
Oliver	800,830.89	4,338.44	225.94	4,564.38
Pembina	3,832,724.57	22,868.82	701.32	23,570.14
Pierce	1,980,233.90	9,628.79	363.99	9,992.78
Ramsey	4,561,370.03	18,276.03	567.34	18,843.37
Ransom	2,217,019.52	10,527.79	463.94	10,991.73
Renville	1,196,845.10	6,583.81	207.65	6,791.46
Richland	6,161,125.41	28,788.50	1,006.05	29,794.55
Rolette	1,880,727.84	8,305.54	442.59	8,748.13
Sargent	1,709,880.83	9,594.86	412.93	10,007.79
Sheridan	997,371.34	5,603.33	274.14	5,877.47
Sioux	456,912.27	2,281.25	75.13	2,356.38
Slope	556,073.14	4,236.88	75.87	4,312.75
Stark	7,138,361.57	28,699.23	874.70	29,573.93
Steele	1,835,446.37	9,157.41	234.26	9,391.67
Stutsman	7,399,943.09	39,022.24	1,386.90	40,409.14
Towner	1,960,668.45	10,571.46	426.16	10,997.62
Traill	3,602,278.13	18,565.13	454.37	19,019.50
Walsh	5,635,745.02	27,322.53	1,002.05	28,324.58
Ward	14,034,900.20	55,297.00	2,268.71	57,565.71
Wells	2,490,188.68	13,066.69	426.80	13,493.49
Williams	7,522,724.46	30.363.80	1,559.67	31,923.47
Total	202,849,302.95	918,785.63	33,779.98	952,565.61

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, 1982.

TABLE 13.14

GENERAL PROPERTY AND SPECIAL TAXES LEVIED IN NORTH DAKOTA AND ITS POLITICAL SUBDIVISIONS, SELECTED YEARS, 1960-1980

Year	Total State Taxes	Total Garrison Diversion Conservancy Dist.	Total County Taxes	Total Township Taxes	Total Water* Management District Taxes	Total Rural Fire Protection District Taxes
1960	$ 2,484,700	$ 40,779	$16,501,152	$5,287,014	$ -------	$ -------
1965	2,096,179	41,785	17,978,694	5,225,325	465,380	182,919
1970	622,218	366,580	19,370,254	5,165,260	652,364	284,530
1974	689,344	244,350	24,612,736	5,521,602	1,079,355	613,368
1975	734,342	261,178	28,903,815	5,873,172	1,391,989	762,757
1976	759,159	270,241	30,919,404	6,270,578	1,412,443	972,530
1977	799,496	289,596	33,509,434	6,671,475	1,440,916	1,161,151
1978	829,378	299,047	34,882,987	7,026,612	1,431,604	1,292,799
1979	862,130	308,605	37,115,484	7,370,354	1,551,695	1,421,471
1980	903,727	318,448	39,346,930	7,595,591	1,460,405	1,480,221

Year	Total School Taxes	Total City and Village Taxes	Total City and Village Park District Taxes	Total County Park District & Vector Control District Taxes	Grand Total State & Local Taxes	Total Assess. Hail Indemnity & Sheep Taxes
1960	$41,020,863	$ 9,288,946	$ 1,418,365	$ -------	$ 76,041,818	$ 6,795,614
1965	54,165,871	10,786,157	1,899,446	90,067	92,931,821	8,511,085
1970	64,548,985	13,219,568	2,130,425	122,617	106,482,801	9,563,223
1974	68,290,656	15,432,045	2,954,104	182,246	119,619,805	12,086,777
1975	77,109,051	16,572,214	3,213,010	234,358	135,055,887	14,600,988
1976	83,749,867	18,328,927	3,722,844	249,814	146,655,808	17,183,788
1977	91,910,405	19,699,035	4,111,257	301,525	159,894,291	19,561,997
1978	97,779,312	21,363,906	4,610,767	298,545	169,814,957	22,846,100
1979	106,634,388	22,383,921	4,946,384	321,208	182,915,640	28,181,211
1980	118,702,627	24,098,337	5,369,673	321,631	199,727,658	33,942,826

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, 1981.

* Formerly Water Conservation and Flood Control.

TABLE 13.15

TAXES LEVIED UPON THE VARIOUS CLASSES OF PROPERTY IN NORTH DAKOTA, SELECTED YEARS, 1970-1980

	1970	1974	1975	1976
Rural Real Estate	$ 48,083,293	$ 53,231,875	$ 61,504,860	$ 65,515,268
Rural Personal Property	1,512	2,834	2,526	2,181
City & Village Real Estate	44,549,638	50,818,157	56,694,210	63,547,225
City & Village Personal Property	32,765	41,858	47,014	46,790
Railroad Property	3,380,243	2,901,557	2,856,676	2,876,226
Telephone Property	3,614,020	4,028,648	4,569,756	4,828,942
Telegraph Property	9,829	29,303	8,402	13,171
Electric, Gas & Heating Property	4,288,695	4,457,231	4,716,217	4,726,413
Pipe Line Property	652,230	544,924	536,769	493,765
Other	-------	-------	-------	-------
Tax Increments	-------	-------	-------	-------
Total General Property Taxes	104,612,224	116,056,387	130,936,429	142,049,980
School Polls	82	-------	-------	-------
Special Taxes*	1,870,495	23,563,418	4,119,457	4,605,829
Special Assessments--Cities & Villages	9,057,660	11,399,852	13,538,595	15,959,348
Special Assessments--Rural Districts**	505,562	686,925	1,062,393	1,224,440
Total Taxes and Special Assessments	116,046,024	131,706,582	149,656,874	163,839,596

TABLE 13.15--Continued

	1977	1978	1979	1980
Rural Real Estate	$ 72,619,117	$ 74,751,599	$ 78,043,203	$ 85,108,261
Rural Personal Property	1,962	2,093	13,514	14,289
City and Village Real Estate	68,396,260	75,022,982	83,449,144	91,367,473
City and Village Personal Property	44,116	45,963	47,943	46,812
Railroad Property	2,950,592	3,072,612	3,077,307	2,637,885
Telephone Property	5,159,479	5,445,475	5,543,381	5,884,734
Telegraph Property	13,079	29,281	27,504	29,621
Electric, Gas and Heating Property	4,886,441	4,974,390	5,538,499	6,399,072
Pipe Line Property	486,135	732,420	774,314	948,556
Other	-------	4,414	4,036	-------
Tax Increments	-------	-------	-------	90,743
Total General Property Taxes	154,557,235	164,081,229	176,518,845	192,527,446
School Polls	-------	-------	-------	-------
Special Taxes*	5,337,056	5,733,728	6,396,796	7,200,213
Special Assessments--Cities & Villages	18,445,802	21,634,610	26,846,780	32,559,838
Special Assessments--Rural Districts**	1,116,195	1,211,490	1,334,431	1,382,988
Total Taxes and Special Assessments	179,456,287	192,661,057	211,096,852	233,670,484

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, 1981.

* Grain, Mutual Telephone, Bank Building and Loan (including Savings and Loan Associations), Mobile Homes, beginning with the years 1962, Rural Electric Cooperative, Mineral Reservation Taxes, Woodland and Game Management Taxes.

** Irrigation, Water Management, Weeds, Drains, Garbage and Snow Removal.

TABLE 13.16

ASSESSED VALUATION OF REAL, PERSONAL, PUBLIC UTILITY AND RAILROAD PROPERTY IN NORTH DAKOTA, SELECTED YEARS, 1960-1981

Year	Farm Lands			Industrial, Business & Residential Lots Tracts & Leased Lots	Business Buildings	Residence & Non-Business Buildings
	Acres Assessed	Average Value Per Acre	Assessed Value			
1960	40,528,149	$13.99	$567,148,949	$52,863,035	$ 84,580,544	$161,322,329
1965	40,495,650	14.05	568,817,002	64,664,481	102,168,389	192,921,464
1970	40,424,356	15.67	633,387,884	-----------	166,548,093*	285,111,671*
1975	40,288,687	18.39	741,025,981	95,554,714	174,833,960	285,292,340
1976	40,290,008	18.40	741,131,352	101,986,950	190,867,671	310,682,207
1977	40,253,381	19.75	813,709,444	103,346,830	192,396,751	317,876,629
1978	40,222,274	20.18	811,642,256	114,324,415	206,261,085	347,896,297
1979	40,281,861	20.17	812,597,909	126,449,466	227,645,370	372,903,589
1980	40,193,505	20.81	836,453,726	143,844,715	239,308,768	392,747,290
1981	39,891,177	22.81	909,979,594	156,664,528	255,698,838	405,440,427

Year	Total Value of Real Estate	Homestead Credit Allowance	Total Value of Real Estate After Homestead Credit	Personal Property	Railroads and Public Utilities	Total Assessed Value All Property
1960	$ 865,914,857	$----------	$-------------	$288,066,580	$193,743,311	$1,347,724,748
1965	928,571,336	----------	-------------	271,661,138	174,301,245	1,374,533,719
1970	1,085,047,648	3,177,301**	1,081,870,347	352,740	142,205,494	1,224,428,581
1975	1,296,706,995	5,897,618	1,290,809,377	408,594	136,987,481	1,428,205,452
1976	1,344,668,180	6,078,059	1,338,590,121	403,077	133,051,451	1,472,044,649
1977	1,427,329,654	11,140,880	1,416,188,774	360,676	133,167,622	1,549,717,072
1978	1,480,124,053	12,694,883	1,467,429,170	368,710	139,022,494	1,606,820,374
1979	1,539,596,334	12,282,065	1,527,314,269	375,897	143,615,500	1,671,305,666
1980	1,612,354,499	14,357,068	1,597,997,431	373,411	146,865,700	1,745,236,542
1981	1,727,783,387	14,886,628	1,712,896,759	-------	130,618,300	1,843,515,059

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, various years.

* Includes assessed value of non-farm and of leased sites for 1970.

** Effective for the first time in 1970 pursuant to Section 57-02-08.1, NDCC, (added by Chapter 470, S.L. 1969).

TABLE 13.20

TAXABLE VALUATION OF PROPERTY SUBJECT TO THE GENERAL PROPERTY TAX, BY TYPE OF PROPERTY, NORTH DAKOTA COUNTIES, 1981 (50% of Assessed Valuation)

County	Woodland Acres	Total Acres	Farmland	Other Real Estate	Total Real Estate	Railroad and Public Utility Property	Grand Total
Adams	-----	607,511	$ 4,647,734	$ 1,682,435	$ 6,330,169	$ 494,680	$ 6,824,849
Barnes	-----	924,620	14,524,013	6,688,609	21,212,622	1,994,789	23,207,411
Benson	-----	807,429	9,683,525	1,346,787	11,030,312	1,001,014	12,031,326
Billings	-----	372,211	1,996,367	1,455,305	3,451,672	1,357,666	4,809,338
Bottineau	-----	1,023,650	11,277,106	4,174,557	15,451,663	1,040,756	16,492,419
Bowman	-----	670,454	4,155,163	2,443,479	6,598,642	410,720	7,009,362
Burke	-----	651,635	5,447,204	1,004,648	6,451,852	369,296	6,821,148
Burleigh	-----	1,019,888	7,781,404	53,077,985	60,859,389	4,378,767	65,238,156
Cass	-----	1,071,113	24,102,486	78,429,620	102,532,106	8,853,740	111,385,846
Cavalier	6,837	932,012	12,751,578	3,116,676	15,868,254	468,542	16,336,796
Dickey	-----	704,882	8,709,727	2,930,108	11,639,835	744,922	12,384,757
Divide	-----	784,539	6,828,746	1,431,801	8,260,547	226,424	8,486,971
Dunn	-----	1,001,150	6,133,427	1,077,440	7,210,867	765,862	7,976,729
Eddy	-----	383,429	4,022,732	1,395,149	5,417,881	404,105	5,821,986
Emmons	-----	929,300	7,871,328	1,416,287	9,287,615	317,697	9,605,312
Foster	-----	400,288	5,162,335	2,331,410	7,493,745	784,382	8,278,127
Golden Valley	-----	509,752	3,445,816	1,050,061	4,495,877	713,823	5,209,700
Grand Forks	1,742	864,764	18,549,097	41,458,892	60,007,989	4,649,009	64,656,998
Grant	-----	1,016,194	6,999,422	1,092,441	8,091,863	538,902	8,630,765
Griggs	-----	444,223	6,000,866	1,057,893	7,058,759	257,568	7,316,327
Hettinger	-----	705,517	5,873,762	1,612,835	7,486,597	493,803	7,980,400
Kidder	-----	812,007	6,394,841	939,532	7,334,373	513,949	7,848,322
LaMoure	-----	719,045	10,151,665	1,858,191	12,009,856	567,910	12,577,766
Logan	-----	613,554	5,340,118	952,952	6,293,070	332,980	6,626,050
McHenry	-----	1,128,233	9,390,198	2,071,060	11,461,258	1,412,906	12,874,164
McIntosh	-----	600,575	5,570,536	1,500,021	7,070,557	427,164	7,497,721
McKenzie	-----	1,061,196	7,422,074	2,813,191	10,235,265	1,566,290	11,801,555
McLean	-----	1,187,752	12,308,482	4,175,779	16,484,261	752,772	17,237,033
Mercer*	-----	602,773	4,295,684	5,668,997	9,964,681	646,550	10,611,231
Morton	-----	1,172,739	8,540,057	19,024,481	27,564,538	3,497,621	31,062,159

TABLE 13.20--Continued

County	Wood-land Acres	Total Acres	Farmland	Other Real Estate	Total Real Estate	Railroad and Public Utility Property	Grand Total
Mountrail	-----	1,084,320	$ 8,404,715	$ 2,095,965	$ 10,500,680	$ 749,035	$ 11,249,715
Nelson	-----	615,413	7,494,072	1,913,188	9,407,260	612,206	10,019,466
Oliver	-----	440,592	3,354,948	528,837	3,883,785	454,651	4,338,436
Pembina	11,738	687,829	17,185,750	4,885,403	22,071,153	797,671	22,868,824
Pierce	-----	641,020	6,019,618	2,613,549	8,633,167	995,626	9,628,793
Ramsey	-----	733,465	9,453,937	7,355,399	16,809,336	1,463,079	18,272,415
Ransom	-----	496,331	7,969,559	1,868,265	9,837,824	695,541	10,533,365
Renville	-----	535,729	5,387,992	977,921	6,365,913	217,893	6,583,806
Richland	-----	866,523	17,866,406	8,704,434	26,570,840	2,217,661	28,788,501
Rolette	-----	487,821	5,366,442	2,336,383	7,702,825	602,720	8,305,545
Sargent	-----	524,791	7,646,920	1,371,934	9,018,854	587,277	9,606,131
Sheridan	-----	569,789	4,932,573	315,811	5,248,384	355,006	5,603,390
Sioux	-----	365,764	2,059,292	173,533	2,232,825	48,426	2,281,251
Slope	-----	611,150	4,131,669	42,137	4,173,806	63,073	4,236,879
Stark	-----	825,279	6,482,038	19,840,017	26,322,055	2,413,778	28,735,833
Steele	-----	449,219	7,869,773	881,161	8,750,934	406,472	9,157,406
Stutsman	-----	1,357,996	16,506,830	19,497,546	36,004,376	3,017,866	39,022,242
Towner	-----	648,263	8,590,958	1,677,869	10,268,827	302,636	10,571,463
Traill	-----	536,788	12,974,173	4,755,844	17,730,017	835,099	18,565,116
Walsh	1,751	805,313	19,318,299	6,927,649	26,245,948	1,076,584	27,322,532
Ward	-----	1,233,780	12,484,706	38,952,194	51,436,900	3,860,098	55,296,998
Wells	-----	794,299	9,754,252	2,294,509	12,048,761	1,026,557	13,075,318
Williams	-----	1,238,920	10,441,940	17,501,008	27,942,948	2,490,371	30,433,319
Total	22,067	40,272,528	457,074,355	396,789,178	853,863,533	65,273,935	919,137,468

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, 1982.

* Includes State Game and Fish Land Values.

TABLE 13.21

GENERAL PROPERTY AND SPECIAL TAXES LEVIED BY THE STATE AND ITS POLITICAL SUBDIVISIONS, BY COUNTY, 1981

County	Total State and Local Property and Special Taxes	State Taxes State Medical Center	R.E. Coop, Bank, Savings & Loan Mobile Homes, Woodland & Game Management Area Taxes	Total State Taxes
Adams	$ 1,502,097.70	$ 6,824.85	$ 158.20	$ 6,983.05
Barnes	4,927,147.25	23,207.41	912.07	24,119.48
Benson	2,402,858.32	12,031.33	409.57	12,440.90
Billings	293,761.08	4,809.34	418.25	5,227.59
Bottineau	3,461,660.08	16,492.42	766.11	17,258.53
Bowman	1,169,434.45	7,009.36	361.73	7,371.09
Burke	1,203,421.32	6,821.15	231.12	7,052.27
Burleigh	18,156,194.84	65,238.16	1,755.54	66,993.70
Cass	28,778,194.56	111,385.85	2,580.66	113,966.51
Cavalier	2,790,281.28	16,336.80	713.56	17,050.36
Dickey	2,170,330.25	12,383.59	268.04	12,651.63
Divide	1,618,509.08	8,486.97	247.26	8,734.23
Dunn	1,409,298.30	7,976.73	447.61	8,424.34
Eddy	1,290,831.85	5,821.99	134.51	5,956.50
Emmons	1,797,390.96	9,605.31	297.65	9,902.96
Foster	1,629,916.36	8,278.13	476.61	8,754.74
Golden Valley	849,419.16	5,209.70	174.76	5,384.46
Grand Forks	16,711,228.54	64,458.47	1,579.55	66,038.02
Grant	1,412,746.89	8,630.77	346.53	8,977.30
Griggs	1,512,509.19	7,316.31	266.06	7,582.37
Hettinger	1,501,384.30	7,972.57	263.01	8,235.58
Kidder	1,283,629.05	7,848.32	325.71	8,174.03
LaMoure	2,073,623.36	12,577.77	396.74	12,974.51
Logan	1,214,831.30	6,626.05	190.89	6,816.94
McHenry	2,535,582.52	12,874.16	1,822.88	14,697.04
McIntosh	1,263,128.29	7,497.72	274.46	7,772.18
McKenzie	1,760,531.21	11,816.67	927.88	12,744.55
McLean	3,454,609.24	17,237.03	832.75	18,069.78
Mercer	2,556,086.26	10,604.47	951.67	11,556.14
Morton	7,733,551.54	31,037.51	1,016.56	32,054.07

TABLE 13.22

NORTH DAKOTA COUNTY MILL RATES, 1970 AND 1978-1981

County	1970	1978	1979	1980	1981
Adams	33.75	57.19	46.76	49.60	79.28
Barnes	39.03	48.17	50.96	50.04	55.64
Benson	36.06	62.88	59.78	54.91	64.81
Billings	22.29	28.85	30.90	3.32	34.06
Bottineau	34.69	61.07	62.80	64.85	63.21
Bowman	32.89	20.25	23.25	21.50	35.91
Burke	35.59	43.46	45.20	41.80	48.13
Burleigh	18.99	31.06	29.78	33.33	33.87
Cass	21.86	28.70	29.54	33.17	42.51
Cavalier	40.34	50.13	51.19	48.81	48.87
Dickey	31.58	49.46	50.34	51.10	57.65
Divide	36.91	50.05	49.87	50.52	52.53
Dunn	24.18	34.91	38.59	42.56	53.47
Eddy	44.39	46.19	51.00	52.03	54.40
Emmons	31.68	41.76	47.89	45.27	60.46
Foster	30.50	49.45	53.21	51.27	54.70
Golden Valley	22.62	36.69	37.68	33.80	39.54
Grand Forks	25.73	32.27	32.16	35.62	50.39
Grant	28.75	33.46	40.34	40.72	37.98
Griggs	29.96	45.93	47.24	50.95	55.85
Hettinger	31.64	41.39	42.53	43.66	49.95
Kidder	30.23	43.02	42.52	42.79	44.65
LaMoure	36.09	45.13	40.74	37.12	44.25
Logan	30.46	37.25	36.55	38.54	48.76
McHenry	31.69	39.09	46.39	42.70	50.06
McIntosh	32.29	38.80	44.79	42.68	45.43
McKenzie	26.46	39.19	42.38	41.80	44.54
McLean	36.86	44.36	47.10	50.00	55.02
Mercer	26.25	47.01	34.55	43.51	59.63
Morton	30.24	45.38	47.67	49.97	71.13

TABLE 13.22--Continued

County	1970	1978	1979	1980	1981
Mountrail	38.50	47.77	47.83	47.89	58.06
Nelson	35.63	50.09	46.74	46.31	53.64
Oliver	39.45	53.18	44.95	45.74	59.43
Pembina	24.85	48.70	49.20	48.70	43.96
Pierce	37.28	47.85	48.05	50.77	60.48
Ramsey	38.98	49.88	49.20	46.86	51.81
Ransom	31.46	52.37	58.73	59.25	56.08
Renville	34.25	41.97	43.98	40.72	46.05
Richland	40.19	44.20	51.60	50.78	51.07
Rolette	34.12	50.31	50.05	46.74	59.07
Sargent	28.45	46.01	50.97	54.52	46.63
Sheridan	29.30	42.57	44.59	40.32	43.59
Sioux	30.98	47.27	52.57	55.24	67.91
Slope	34.25	33.75	35.15	37.75	39.28
Stark	23.63	33.64	34.57	31.68	43.58
Steele	36.66	41.10	44.10	45.46	46.72
Stutsman	27.61	36.45	35.99	33.82	46.63
Towner	28.93	47.17	49.35	51.05	50.47
Traill	37.74	46.22	46.32	41.21	45.66
Walsh	30.95	43.92	50.90	47.80	44.65
Ward	30.58	42.71	44.43	43.24	52.68
Wells	26.25	33.97	32.98	31.34	42.21
Williams	27.93	49.84	51.25	56.85	68.86

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, various years.

TABLE 13.23

MILL LEVIES IN NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, SELECTED YEARS, 1970-1981

Municipality	1970	1975	1979	1980	1981
Fargo - Total Mill Levy	252.83	269.60	291.23	297.26*	294.81
State & County Levy	44.78	28.11	31.14	34.77	44.11
City Levy	61.15	56.44	51.59	47.40	59.53
Park District Levy	10.91	14.58	19.73	20.20	28.55
School District Levy	135.99	170.47	188.77	193.89	161.62
Other	------	------	------	------	1.00
Grand Forks - Total Mill Levy	248.18	261.59	296.22	303.00	303.78
State & County Levy	49.54	35.64	37.19	40.58	56.74
City Levy	61.14	64.82	66.96	70.97	79.99
Park District Levy	12.65	15.91	16.72	17.55	26.21
School District Levy	124.85	145.58	175.35	173.90	140.24
Bismarck - Total Mill Levy	214.37	241.13	286.67	299.51	296.70
State & County Levy	40.51	29.16	31.17	35.48	34.09
City Levy	61.28	63.18	73.06	77.48	91.59
Park District Levy	9.41	14.27	14.61	14.83	18.16
School District #1 Levy	103.17	134.52	167.83	173.72	152.86
Minot - Total Mill Levy	240.90	238.59	251.55	252.44	275.44
State & County Levy	53.09	41.31	44.03	42.84	52.18
City Levy	68.24	78.90	85.40	84.69	90.79
Park District Levy	8.09	12.43	13.04	12.52	17.95
School District Levy	110.67	105.95	109.07	112.39	114.52
Jamestown - Total Mill Levy	226.84	233.08	228.61	249.07	228.95
State & County Levy	48.62	41.30	36.59	34.42	47.19
City Levy	67.78	66.87	69.43	76.68	84.92
Park District Levy	14.48	16.14	17.65	17.85	21.14
School District Levy	95.96	98.77	104.94	120.12	75.70
Dickinson - Total Mill Levy	210.46	234.00	251.93	260.14	273.36
State & County Levy	47.02	33.31	36.07	32.93	46.00
City Levy	52.47	61.31	64.44	63.71	71.37
Park District Levy	7.43	7.87	12.11	10.80	12.82
School District Levy	103.54	131.51	139.31	152.70	143.17
Williston - Total Mill Levy	214.49	233.82	256.37	265.56*	272.62
State & County Levy	48.23	47.61	50.25	57.73	71.20
City Levy	54.04	59.98	65.12	67.95	91.38
Park District Levy	11.06	10.92	11.51	11.66	11.39
School District Levy	101.16	105.31	129.49	127.22	97.80
Other	------	------	------	------	.85
Mandan - Total Mill Levy	176.68	214.80	257.58	257.40	288.48
State & County Levy	49.30	46.07	49.67	49.97	68.19
City Levy	59.14	65.35	67.16	65.71	80.97
Park District Levy	14.00	16.08	16.20	17.01	17.22
School District Levy	54.24	87.31	122.55	120.71	118.39
Other	------	------	------	------	3.71

TABLE 13.23--Continued

Municipality	1970	1975	1979	1980	1981
Valley City - Total Mill Levy	245.17	252.56	260.89	283.82	271.13
State & County Levy	63.49	49.29	51.63	51.00	56.72
City Levy	59.91	60.13	64.90	64.47	79.09
Park District Levy	6.71	8.00	8.00	8.00	8.40
School District Levy	115.06	135.14	136.36	159.35	126.92
Devils Lake - Total Mill Levy	222.33	244.36	315.87	328.03	333.37
State & County Levy	59.84	50.34	53.80	51.46	56.48
City Levy	62.02	59.65	101.64	85.51	98.89
Park District Levy	12.19	13.50	------	14.28	19.14
School District Levy	88.28	120.87	160.43	176.78	165.86
Wahpeton - Total Mill Levy	200.53	238.53	282.26	297.44	281.25
State & County Levy	65.50	48.76	57.70	56.88	58.83
City Levy	49.99	65.33	68.29	80.02	82.92
Park District Levy	11.08	15.06	15.41	16.06	19.45
School District Levy	73.96	109.38	140.86	144.48	120.05
Grafton - Total Mill Levy	232.88	253.62	313.34	346.80	316.25
State & County Levy	58.18	38.15	54.90	51.80	48.41
City Levy	49.77	70.74	69.34	66.41	70.78
Park District Levy	8.82	10.00	14.64	13.27	13.65
School District Levy	116.11	134.73	174.46	215.32	183.41
West Fargo - Total Mill Levy	198.27	230.00	256.30	262.73*	260.80
State & County Levy	44.78	28.11	31.14	34.77	43.61
City Levy	44.16	57.28	59.11	58.19	65.91
Park District Levy	10.00	13.46	9.05	12.47	15.84
School District Levy	99.33	131.15	157.00	156.30	134.44
Other	------	------	------	-------	1.00
Rugby - Total Mill Levy	191.77	194.68	219.62	231.65	244.61
State & County Levy	59.87	50.05	53.90	55.62	60.27
City Levy	51.77	54.54	52.40	55.20	75.23
Park District Levy	5.50	4.00	9.29	5.41	10.44
School District Levy	74.63	86.09	104.03	115.42	98.67
Bottineau - Total Mill Levy	187.61	195.96	234.70	250.22*	215.73
State & County Levy	36.73	49.33	64.40	66.45	64.81
City Levy	61.28	35.55	42.06	42.57	44.44
Park District Levy	9.41	4.00	4.00	8.60	------
School District Levy	103.17	107.08	124.24	128.60	102.65
Other	------	------	------	------	3.83

SOURCE: North Dakota League of Cities, Taxable Valuation and Tax Levies in North Dakota Cities, various years.

* Includes watershed mill levy.

Note: Other may include the following districts: fire, ambulance, water management, airport, county park, county library, and vector control.

TABLE 13.25

REVENUES AND EXPENDITURES BY LOCAL GOVERNMENTS IN NORTH DAKOTA, SELECTED FISCAL YEARS, 1965-1980

(Millions of Dollars)

	1965	1970	1975	1979	1980
General Revenue	$137.5	$205.4	$324.0	$502.0	$561.8
Intergovernmental Revenue*	32.1	59.3	142.0	224.9	252.3
From Federal Government	3.1	6.9	24.9	44.9	48.4
From State Government	29.0	52.4	117.0	180.0	203.9
General Revenue From Own Sources	105.4	146.1	182.0	277.1	309.5
Tax Revenue	79.8	110.5	125.9	172.7	181.1
Property Tax	77.3	106.7	120.3	166.4	173.4
Other Taxes	2.6	3.8	5.6	6.3	7.7
Charges & Miscellaneous	25.6	35.7	56.1	98.3	128.3
Utility System & Liquor Store Revenue	-----	-----	12.6	21.9	25.2
Direct General Expenditures	141.4	202.8	320.8	538.7	603.9
Education	79.1	109.3	176.5	249.2	259.5
Highways	24.0	33.1	44.9	75.5	86.4
Public Welfare	2.3	3.3	6.3	10.7	11.8
Police & Fire Protection	5.5	8.3	15.1	30.8	35.9
Health & Hospitals	1.0	1.5	3.5	3.9	3.7
Interest on General Debt	3.8	5.9	8.4	17.5	27.3
All Other	25.8	41.5	66.2	31.6	44.5
Utility System & Liquor Store Expenditure	-----	-----	20.1	36.5	38.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Duplicative intragovernmental transactions are excluded.

TABLE 13.26

REVENUES AND EXPENDITURES OF NORTH DAKOTA COUNTIES, SELECTED FISCAL YEARS, 1975-1980 (Millions of Dollars)

	1975	1976	1977	1979	1980
General Revenue	$79.7	$91.3	$98.7	$117.8	$130.6
Intergovernmental Revenue	33.7	37.3	39.3	46.4	55.4
From Federal Government	8.7	7.9	8.0	8.7	11.1
From State Government	21.1	25.4	27.3	33.9	40.4
General Revenue From Own Sources	46.2	54.1	59.4	71.4	75.2
Tax Revenue	41.3	47.1	47.8	52.6	54.3
Property Tax	38.8	43.9	46.1	50.4	51.4
Other Taxes	2.5	3.2	1.7	2.1	2.9
Charges & Miscellaneous	4.7	7.0	11.6	18.8	20.9
Direct General Expenditures	60.8	73.6	77.9	89.0	105.5
Education	1.9	2.3	2.7	3.4	4.7
Highways	26.6	29.2	31.6	34.9	39.8
Public Welfare	6.2	7.1	8.4	10.4	11.6
Police & Fire Protection	2.8	3.5	4.0	6.0	6.7
Health & Hospitals	2.4	1.7	1.4	2.2	1.9
Interest on General Debt	0.1	1.6	3.4	5.0	6.7
All Other	20.8	28.3	26.4	27.0	34.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.27

REVENUES AND EXPENDITURES OF NORTH DAKOTA MUNICIPALITIES, SELECTED FISCAL YEARS, 1975-1980 (Millions of Dollars)

	1975	1976	1977	1979	1980
General Revenues	$67.7	$83.5	$89.5	$118.5	$141.7
Intergovernmental Revenue	19.5	25.0	26.7	41.0	45.4
From Federal Government	7.5	10.7	11.1	23.4	23.3
From State Government	11.6	13.7	15.0	17.0	21.4
General Revenue from Own Sources	48.2	58.5	62.8	77.5	96.3
Tax Revenue	18.3	20.1	21.9	24.6	25.7
Property Tax	15.2	16.7	18.4	20.4	20.9
Other Taxes	3.0	3.4	3.5	4.2	4.8
Charges & Miscellaneous	30.0	38.5	40.9	52.9	70.6
Utility System Revenue	12.6	13.9	15.9	21.9	25.2
Direct General Expenditures	62.8	84.4	88.3	142.7	176.3
Highways	12.1	22.8	19.9	36.3	41.3
Public Welfare	*	*	0.1	0.2	0.2
Police & Fire Protection	12.0	14.0	15.1	18.6	20.5
Health & Hospitals	1.1	1.2	1.4	1.7	1.8
Interest on General Debt	5.0	5.7	6.4	8.7	16.8
All Other	32.5	40.7	45.4	77.2	95.8
Utility System Expenditure	20.1	21.2	22.8	36.5	38.4

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Less than $50,000.

TABLE 13.28

REVENUES AND EXPENDITURES OF NORTH DAKOTA TOWNSHIPS, SELECTED FISCAL YEARS, 1975-1980 (Millions of Dollars)

	1975	1976	1977	1979	1980
General Revenue	$9.4	$9.1	$9.1	$9.2	$10.1
Intergovernmental Revenue	3.1	2.9	3.0	2.3	2.9
From Federal Government	2.0	1.8	1.6	1.0	1.4
From State Government	1.0	1.0	1.2	1.2	1.4
General Revenue From Own Sources	6.3	6.3	6.1	6.9	7.2
Tax Revenue	5.8	5.6	5.6	6.9	6.8
Property Tax	5.8	5.6	5.6	6.9	6.8
Other Taxes	*	*	*	*	*
Charges & Miscellaneous	0.5	0.6	0.5	*	0.5
Direct General Expenditure	7.9	8.6	9.1	4.9	6.1
Highways	6.2	6.8	7.6	4.2	5.3
Public Welfare	*	*	*	*	*
Police & Fire Protection	0.1	0.1	0.2	0.1	0.2
Health & Hospitals	*	*	*	*	*
Interest on General Debt	*	*	*	*	*
All Other	1.6	1.7	1.4	0.6	0.6

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Less than $50,000.

Note: Detail may not add to total because of rounding.

TABLE 13.29

REVENUES AND EXPENDITURES OF NORTH DAKOTA SCHOOL DISTRICTS, SELECTED FISCAL YEARS, 1975-1980 (Millions of Dollars)

	1975	1976	1977	1979	1980
General Revenue	$173.6	$201.7	$211.8	$264.1	$287.3
Intergovernmental Revenue	102.2	115.2	119.6	155.7	170.1
From Federal Government	3.2	3.4	2.4	8.1	7.9
From State Government	81.8	93.4	98.9	126.7	138.6
General Revenue From					
Own Sources	71.4	86.5	92.2	108.4	117.2
Tax Revenue	55.7	63.5	68.3	81.6	87.7
Property Tax	55.5	63.4	68.2	81.6	87.7
Other Taxes	0.2	0.1	0.1	*	-----
Charges & Miscellaneous	15.7	23.0	23.9	26.8	29.5
Direct General Expenditure	177.3	190.3	200.4	248.6	257.5
Education	174.5	186.8	197.1	248.6	254.8
Interest on General Debt	2.8	3.5	3.3	2.8	2.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, _Governmental Finances_, various years.

TABLE 13.30

REVENUES AND EXPENDITURES OF NORTH DAKOTA SPECIAL DISTRICTS, SELECTED FISCAL YEARS, 1975-1980 (Millions of Dollars)

	1975	1976	1977	1979	1980
General Revenue	$15.6	$15.7	$16.7	$18.1	$20.7
Intergovernmental Revenue	5.6	5.1	4.3	5.2	7.1
From Federal Government	3.5	2.7	1.5	3.8	4.7
From State Government	1.5	1.5	1.4	1.2	2.1
General Revenue From					
Own Sources	10.0	10.6	12.4	12.9	13.6
Tax Revenue - Property Tax	4.8	5.2	5.1	7.1	6.7
Charges & Miscellaneous	5.2	5.4	7.2	5.8	6.9
Direct General Expenditure	12.1	12.4	13.1	16.1	19.0
Police & Fire Protection	0.2	0.2	1.0	1.1	1.1
Interest on General Debt	0.6	0.7	0.6	1.0	1.0
All Other	11.3	11.5	11.5	14.0	16.9

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, _Governmental Finances_, various years.

TABLE 13.31

LONG-TERM DEBT OF LOCAL GOVERNMENTS IN NORTH DAKOTA, SELECTED FISCAL YEARS, 1965-1980
(Millions of Dollars)

Year	Total Long-Term Debt	Allocation of Long-Term Debt				
		Counties	Munici-palities	Townships	Special Districts	School Districts
1965	$153.9	$ NA	$ NA	$ NA	$ NA	$ NA
1970	186.5	NA	NA	NA	NA	NA
1975	211.6	0.8	133.1	1.0	15.3	63.4
1976	277.9	53.3	152.1	1.0	13.3	58.2
1977	348.8	107.5	173.0	0.9	11.5	55.9
1979	473.2	105.7	284.4	0.8	28.8	53.4
1980	603.1	158.2	364.1	1.5	29.6	52.6

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.32

RANKING* OF SELECTED STATES BY DISTRIBUTION OF FEDERAL FUNDS AND SELECTED DEMOGRAPHIC CHARACTERISTICS, 1980

Characteristics	NORTH DAKOTA Rank	South Dakota Rank	Nebraska Rank	Montana Rank	Wyoming Rank	Minnesota Rank
Federal Funds Distributed, FY 1980 (Billions of Dollars)	47 ($1.667)	48 ($1.627)	37 ($3.568)	46 ($1.802)	50 ($1.026)	22 ($8.089)
Per Capita Federal Funds, FY 1980	12 ($2,554)	15 ($2,357)	24 ($2,273)	21 ($2,291)	27 ($2,179)	40 ($1,984)
Per Capita Income, 1979	39	42	28	39	8	20
Resident Population, 1980 Census	46	45	35	44	50	21
Federal Income Tax, FY 1979	46	48	31	45	51	13
Number Unemployed, Nov. 1980	50	47	38	45	51	22
Low Income Individuals, 1975	45	39	36	41	50	25
Average School Expenditures Per Pupil, 1978	30	39	27	18	10	14
Living Veterans, 1978	49	47	35	43	50	19
Federal Civilian Employment, 1978	48	44	40	42	49	28
Land Area, 1979	17	16	15	4	9	12

SOURCE: Executive Office of the President, Geographic Distribution of Federal Funds in North Dakota, Fiscal Year 1980.

* Rankings based on 50 states and the District of Columbia.

TABLE 13.24

TAXABLE VALUATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, SELECTED YEARS, 1970-1981

City	1970	1975	1979	1980	1981
Fargo	$38,304,599	$47,104,708	$64,263,689	$66,493,783	$67,837,737
Grand Forks	25,809,514	33,272,649	39,641,970	41,162,643	38,650,755
Bismarck	27,073,266	34,200,179	47,699,008	53,133,212	51,141,298
Minot	22,205,983	24,111,033	30,522,474	32,686,892	33,383,623
Jamestown	8,964,154	11,271,617	14,461,380	15,006,016	15,308,158
Dickinson	6,893,559	8,169,965	12,083,215	14,024,179	17,219,522
Williston	8,176,749	8,474,385	8,890,221	10,476,429	13,028,932
Mandan	5,385,480	6,703,128	10,371,831	11,294,229	12,885,442
Valley City	4,009,046	4,378,572	5,058,769	5,205,953	5,165,132
Devils Lake	4,393,240	5,223,050	5,638,305	5,751,337	5,692,897
Wahpeton	3,057,615	3,973,473	4,992,138	5,400,271	6,224,320
West Fargo	2,928,943	4,746,471	7,173,643	7,808,185	8,081,302
Grafton	2,835,035	3,299,668	3,525,922	3,689,881	3,721,890
Rugby	1,639,192	1,925,232	2,321,091	2,410,946	2,494,435
Bottineau	1,921,289	1,570,910	1,908,822	1,994,040	2,166,441

SOURCE: North Dakota League of Cities, _Taxable Valuation and Tax Levies in North Dakota Cities_, various years.

TABLE 13.33

DISTRIBUTION OF FEDERAL FUNDS AMONG SELECTED STATES: RANKING* AND PERCENTAGE OF TOTAL FEDERAL FUNDS BY MAJOR FUNCTIONAL CLASSIFICATION, FISCAL YEAR, 1980

Major Functional Classification	NORTH DAKOTA		South Dakota		Nebraska		Montana		Wyoming		Minnesota	
	% Total Funds	Rank	% Total Funds	Rank	% Total Funds	Rank	% Total Funds	Rank	% Total Funds	Rank	% Total Funds	Rank
National Defense	.2%	46	.1%	48	.4%	40	.1%	49	.1%	51	1.0%	30
Internat. Affairs	.0	50	.0	47	.0	39	.0	38	.0	51	1.3	15
General Science, Space & Technology	.0	51	.0	48	.1	41	.0	49	.0	44	.3	27
Natural Resources, Environ. & Energy	.2	44	.3	47	.5	42	1.1	29	1.6	22	1.0	33
Agriculture	.4	11	2.1	16	6.4	5	1.1	26	.2	42	8.7	1
Commerce & Housing Credits	.3	46	.3	44	.7	34	.3	43	.2	51	2.0	15
Transportation	.4	45	.4	46	.5	39	.6	38	.3	47	1.4	21
Community & Regional Development	.8	37	1.1	30	.6	43	.9	36	.1	50	1.8	18
Ed., Training, Employ. & Soc. Ser.	.4	46	.4	44	.6	40	.5	43	.2	51	1.4	26
Health	.2	45	.2	44	.7	34	.3	43	.1	51	1.8	17
Income Security	.2	48	.3	45	.6	36	.3	44	.1	50	1.5	22
Veterans Benefits & Services	.3	49	.5	40	.7	37	.4	44	.3	50	1.7	20
Law Enforcement & Justice	.3	40	.1	49	.2	46	.3	42	.1	51	1.0	25
General Government	.1	48	.1	50	.2	40	.2	43	.1	51	.7	27
Rev. Sharing & General Purpose Fiscal Assistance	.3	49	.3	45	.6	37	.5	40	.3	50	1.9	16
Interest	.2	49	.2	51	.9	29	.3	47	.3	48	1.7	15

SOURCE: Executive Office of the President, Geographic Distribution of Federal Funds in North Dakota, Fiscal Year 1980.

* Rankings based on 50 states and the District of Columbia.

TABLE 13.34

FEDERAL FUNDS DISTRIBUTED IN NORTH DAKOTA BY MAJOR FUNCTIONAL CLASSIFICATION, SELECTED FISCAL YEARS, 1970-1980

(Thousands of Dollars)

Function	1970	1978	1979	1980
National Defense	$ 309,938	$ 275,224	$ 280,776	$ 309,889
International Affairs	13	60	49	35
Gen. Science, Space & Technology	-------	616	653	360
Nat. Resources, Envir. & Energy	18,670	67,219	71,017	77,870
Agriculture	391,712	556,318	374,323	290,306
Commerce & Transportation	65,502	112,018	116,707	142,061
Community & Regional Dev.	15,541	43,721	54,287	71,703
Ed., Training, Employ. & Social Services	44,992	83,941	106,244	100,360
Health	30,651	120,231	112,924	146,909
Income Security	118,685	333,700	372,536	432,852
Veterans Benefits & Service	25,199	72,695	57,130	57,821
Law Enforcement & Justice	2,169	6,317	5,131	6,909
General Government	7,535	9,609	8,426	8,324
Revenue Sharing & General Purpose Fiscal Assistance	-------	26,744	19,123	20,636
Interest*	28,757	718	714	1,206
Total	1,061,423	1,699,521	1,580,031	1,667,244

SOURCE: Executive Office of the President, Geographic Distribution of Federal Funds in North Dakota, various fiscal years, (formerly Federal Outlays in North Dakota).

* Interest on Public Debt formerly included in this category and now included in Indirect Federal Support which does not directly impact geographic areas and therefore not included in totals.

Note: Because of great variety and complexity of federal expenditures, allocations of individual items to functional categories may be somewhat arbitrary. More complete detail may be found in the source document. Also, details may not add to totals due to rounding.

TABLE 13.35--Continued

County	1970	1975	1976	1977	1978	1979	1980
Mountrail	$ 15,215	$ 13,142	$ 12,359	$ 25,253	$ 27,325	$ 23,249	$ 20,168
Nelson	11,968	8,698	7,134	15,683	19,295	15,436	15,672
Oliver	3,906	1,661	1,452	3,573	4,188	3,554	3,599
Pembina	16,460	20,640	24,538	31,504	40,813	33,311	34,969
Pierce	8,224	7,431	6,123	10,318	15,609	11,970	11,631
Ramsey	19,095	16,983	15,797	27,254	34,800	31,884	34,884
Ransom	8,981	7,352	8,433	13,319	20,698	17,693	15,279
Renville	8,073	3,965	3,899	9,775	15,148	9,576	8,400
Richland	20,809	42,553	20,663	33,949	57,280	52,403	61,341
Rolette	18,718	26,978	25,801	40,404	38,228	39,859	42,630
Sargent	8,880	6,242	6,049	12,010	14,462	13,244	13,752
Sheridan	5,414	8,276	9,917	12,938	13,064	8,994	9,706
Sioux	8,975	14,445	10,608	24,082	16,031	21,009	20,832
Slope	3,492	1,888	1,044	3,466	6,017	3,953	2,731
Stark	13,335	15,113	16,495	20,980	30,604	26,798	29,112
Steele	8,689	5,004	6,471	12,205	16,654	11,843	9,432
Stutsman	27,093	28,356	31,391	46,023	52,503	49,886	47,693
Towner	10,940	5,634	5,061	10,927	15,311	12,592	10,091
Traill	17,723	11,560	11,149	22,113	25,016	20,163	20,195
Walsh	25,963	18,949	18,750	36,533	40,903	35,062	32,265
Ward	112,648	225,485	151,458	170,754	180,760	180,266	197,763
Wells	14,190	9,204	8,849	18,185	22,660	17,564	17,440
Williams	18,954	19,534	19,374	32,045	36,950	32,403	30,319

SOURCE: Executive Office of the President, Geographical Distribution of Federal Funds, various fiscal years, (formerly Federal Outlays in North Dakota).

TABLE 13.36

REVENUE SHARING ENTITLEMENTS FOR STATE AND COUNTY GOVERNMENTS, ENTITLEMENT PERIODS 1-11, January 1972 - September 1980

County	Entitlement Periods 1-8 Jan. 1972- Sept. 1977	Entitlement Period 9 Oct. 1977- Sept. 1978	Entitlement Period 10 Oct. 1978- Sept. 1979	Entitlement Period 11 Oct. 1979- Sept. 1980
State Gov't.	$40,554,974	$4,992,760	$6,266,574	$6,678,405
Adams	426,683	44,709	68,116	76,851
Barnes	1,005,278	92,234	150,173	179,554
Benson	795,060	84,167	110,414	96,287
Billings	213,197	24,434	30,159	32,143
Bottineau	925,078	83,176	120,653	187,266
Bowman	380,435	30,156	50,112	49,868
Burke	495,015	38,009	72,097	76,730
Burleigh	1,477,453	286,370	254,595	276,814
Cass	2,377,751	390,151	448,121	511,869
Cavalier	845,734	56,965	127,256	156,235
Dickey	693,413	64,248	153,600	166,920
Divide	525,469	50,350	63,392	69,448
Dunn	633,805	77,817	101,901	107,067
Eddy	474,362	60,499	78,804	80,857
Emmons	480,422	126,226	168,422	141,891
Foster	245,746	31,570	68,424	79,207
Golden Valley	213,547	21,339	56,174	50,192
Grand Forks	2,168,673	400,168	380,684	358,563
Grant	612,779	79,849	103,998	110,286
Griggs	414,444	35,697	76,795	86,823
Hettinger	586,132	45,349	95,788	94,923
Kidder	511,862	73,702	94,850	92,176
LaMoure	565,542	62,564	156,281	162,851
Logan	344,992	54,346	83,886	83,011
McHenry	971,118	115,859	108,224	104,911
McIntosh	329,503	66,331	109,115	85,766
McKenzie	485,482	71,925	73,197	58,998
McLean	1,302,216	129,564	123,471	110,063
Mercer	519,520	117,584	91,966	97,258
Morton	2,541,212	337,057	342,162	373,492

TABLE 13.36--Continued

County	Entitlement Periods 1-8 Jan. 1972-Sept. 1977	Entitlement Period 9 Oct. 1977-Sept. 1978	Entitlement Period 10 Oct. 1978-Sept. 1979	Entitlement Period 11 Oct. 1979-Sept. 1980
Mountrail	$ 805,317	$ 99,283	$ 109,642	$ 113,380
Nelson	706,508	95,636	122,492	90,967
Oliver	406,047	42,100	39,447	59,114
Pembina	906,907	55,156	120,932	131,981
Pierce	835,041	88,286	114,607	114,233
Ramsey	899,170	161,509	155,995	149,860
Ransom	455,115	46,610	95,298	123,709
Renville	439,195	24,359	39,453	43,261
Richland	1,855,638	123,322	263,707	309,668
Rolette	557,005	84,605	88,473	106,856
Sargent	568,810	43,472	84,906	119,020
Sheridan	310,528	35,446	58,811	63,736
Sioux	225,466	33,477	37,414	39,247
Slope	187,478	22,468	40,973	29,772
Stark	1,108,149	163,262	174,593	196,229
Steele	342,605	22,538	60,629	87,431
Stutsman	1,432,829	185,646	258,487	274,179
Towner	403,773	35,860	49,698	46,593
Traill	959,032	57,473	132,975	151,431
Walsh	1,268,226	87,025	183,312	260,300
Ward	1,918,970	381,442	319,465	390,674
Wells	516,262	36,036	62,819	81,975
Williams	1,443,958	228,111	200,156	189,767

SOURCE: Dept. of the Treasury, Office of Revenue Sharing, 8-Eighth Period Entitlements, March 1977; 10-Tenth Period Entitlements, July 1978; and 11-Eleventh Period Entitlements, July 1979.

Note: Differences exist between initial entitlement, payment and final entitlement due to data revisions, waivers and late filings therefore the total money actually received may vary slightly.

TABLE 13.37

TOTAL REVENUE SHARING FUNDS DISPERSED BY FEDERAL GOVERNMENT AND AMOUNT RECEIVED BY NORTH DAKOTA GOVERNMENTAL BODIES FOR ENTITLEMENT PERIODS 1-11, Jan. 1972-Sept. 1980

	NORTH DAKOTA		United States	
	Number of Eligible Govern-ments	Amount Received Entitlement Periods 1-11	Number of Eligible Govern-ments	Recipients Paid Entitlement Periods 1-11
State Gov't.	1	$ 50,211,793	51	$15,897,164,418
Counties	53	52,401,975	3,108	11,953,562,181
Municipalities	360	33,974,470	18,908	16,816,802,668
Townships	1,360	11,930,882	16,790	2,392,935,512
Indian Tribes	5	2,115,940	335	63,089,371
Total	1,779	150,635,060	39,192	47,123,554,150

SOURCE: U.S. Dept. of the Treasury, Office of Revenue Sharing, 10-Tenth Period Entitlements, July 1978 and 11-Eleventh Period Entitlements, July 1979.

TABLE 13.38

REVENUE SHARING ENTITLEMENTS FOR NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, ENTITLEMENT PERIODS 1-11, JANUARY 1972 - SEPTEMBER 1980

Munici-palities	Entitlement Periods 1-8 Jan. 1972-Sept. 1977	Entitlement Period 9 Oct. 1977-Sept. 1978	Entitlement Period 10 Oct. 1978-Sept. 1979	Entitlement Period 11 Oct. 1979 Sept. 1980
Fargo	$3,703,510	$511,756	$626,345	$657,011
Grand Forks	3,300,532	452,774	565,961	553,441
Bismarck	2,788,854	509,019	449,388	474,451
Minot	2,689,397	462,317	455,534	448,421
Jamestown	1,166,627	127,335	192,657	191,451
Dickinson	962,603	161,206	168,543	136,133
Williston	999,906	119,180	129,572	119,557
Mandan	892,414	127,537	163,898	175,882
Valley City	651,894	58,815	82,593	67,608
Devils Lake	476,888	91,322	112,173	78,844
Wahpeton	498,585	47,022	112,189	129,979
West Fargo	285,520	56,220	71,597	83,379
Grafton	386,965	27,548	52,417	64,791
Rugby	227,700	26,070	34,534	40,016
Bottineau	93,461	8,829	9,225	13,061

SOURCE: U.S. Dept. of Treasury, Office of Revenue Sharing, 8-Eighth Period Entitlements, March 1977; 10-Tenth Period Entitlements, July 1978; and 11-Eleventh Period Entitlements, July 1980.

TABLE 13.39

FEDERAL CIVILIAN EMPLOYMENT AND FIRST QUARTER PAYROLL BY NORTH DAKOTA COUNTY, 1978-1980

County	1978		1979		1980	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
NORTH DAKOTA	9,836	$33,936	9,293	$35,565	9,393	$38,192
Adams	33	102	31	113	31	103
Barnes	110	386	110	441	124	473
Benson	97	286	88	302	76	226
Billings	32	118	31	98	35	110
Bottineau	102	380	96	394	97	383
Bowman	29	94	24	98	26	84
Burke	68	297	66	319	64	299
Burleigh	815	3,516	801	3,712	861	4,413
Cass	2,015	7,411	1,894	7,823	1,832	8,485
Cavalier	69	252	66	259	80	293
Dickey	56	190	50	198	51	185
Divide	80	253	70	255	42	159
Dunn	41	137	33	133	33	113
Eddy	27	91	26	90	27	97
Emmons	50	168	42	157	41	133
Foster	40	139	37	157	39	142
Golden Valley	22	73	20	74	16	56
Grand Forks	1,327	3,974	1,277	4,191	1,233	4,691
Grant	43	133	39	136	40	116
Griggs	34	109	34	109	29	99
Hettinger	46	153	44	165	39	141
Kidder	39	136	40	144	39	128
LaMoure	70	228	68	243	59	204
Logan	34	99	32	106	27	90
McHenry	76	275	74	286	71	242
McIntosh	36	123	34	122	32	110
McKenzie	59	189	62	228	56	218

14.00

SOCIAL INSURANCE AND WELFARE SERVICES

This section contains data pertaining to social insurance and welfare programs currently operating in North Dakota.

Social insurance programs attempt to deal with problems of economic insecurity by insuring against them. Areas of need addressed through social insurance programs include: old age, survivors, disability and health insurance; occupational disease and industrial injury (Workmen's Compensation); and unemployment (Unemployment Insurance). Payments are made to beneficiaries of these programs who meet pre-established conditions of eligibility which may include prior contributions deducted from income or a work history of covered employment.

Problems of economic insecurity which cannot be attacked through social insurance programs have been dealt with through public assistance programs. Public assistance is provided primarily in the form of financial aid extended to persons who can demonstrate need. Some programs, such as the Food Stamp Program, extend "in-kind" assistance to needy persons.

Data for social insurance programs were obtained from a variety of sources. All data pertaining to the Old Age, Survivor, Disability and Health Insurance programs were obtained from computer records provided by the Bismarck office of the Social Security Administration. Data on the Supplemental Security Income program (SSI) for the aged, blind, and disabled were obtained from the Social Security Administration's Grand Forks office.

Data on unemployment compensation in North Dakota were obtained from the North Dakota Employment Security Bureau. The data do not include the unemployment compensation programs administered for federal employees and ex-servicemen. Data on workers' compensation from occupational injury were obtained from the Biennial Report and Annual Reports published by the North Dakota Workmen's Compensation Bureau.

The source of all data on public assistance programs in North Dakota is the North Dakota Social Services Board, Division of Research and Statistics. The Board's bulletin, Statistics, presents statewide and county data on public assistance programs.

Comprehensive data on transfer payments by North Dakota county were obtained from the U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Information System. These data are estimated by the Bureau of Economic Analysis and are subject to revision.

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TABLE 14.01

TRANSFER PAYMENTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1959-1980

(Thousands of Dollars)

County	1959	1965	1970	1975	1978	1979	1980
NORTH DAKOTA	$81,049	$115,156	$213,010	$424,111	$558,939	$614,081	$716,715
Adams	550	767	1,374	2,734	3,521	3,653	4,228
Barnes	2,343	3,461	5,975	11,079	14,432	16,004	18,712
Benson	1,367	1,854	3,622	6,827	8,487	9,266	10,754
Billings	90	121	192	382	531	525	597
Bottineau	1,442	1,997	3,690	7,402	9,901	10,924	12,627
Bowman	545	778	1,423	2,677	3,559	3,929	4,481
Burke	767	947	1,775	3,568	4,448	4,880	5,625
Burleigh	3,675	5,778	11,751	27,957	36,358	42,958	51,549
Cass	9,740	13,766	24,440	51,641	68,013	75,577	87,902
Cavalier	1,145	1,640	3,099	6,251	7,597	8,009	9,107
Dickey	1,153	1,578	2,648	5,375	6,938	7,717	9,100
Divide	769	874	1,452	2,648	3,637	3,860	4,489
Dunn	575	813	1,489	2,737	3,327	3,633	4,174
Eddy	727	1,000	1,699	2,996	4,422	4,547	5,270
Emmons	728	1,055	2,032	4,047	5,133	5,537	6,476
Foster	735	977	1,744	3,424	4,435	4,940	5,705
Golden Valley	454	547	951	1,876	2,557	2,736	3,108
Grand Forks	6,011	8,632	16,085	33,941	43,564	47,375	55,486
Grant	506	727	1,402	2,725	3,649	3,819	4,461
Griggs	645	838	1,478	2,916	3,742	4,138	4,769
Hettinger	570	808	1,533	2,901	4,173	4,690	5,410
Kidder	556	760	1,242	2,593	3,336	3,534	4,159
LaMoure	1,114	1,498	2,666	4,885	6,251	6,867	8,012
Logan	459	627	1,284	2,446	3,435	3,924	4,549
McHenry	1,354	1,958	3,616	6,572	8,961	9,387	10,842

TABLE 14.02

SOCIAL SECURITY: NUMBER OF RETIRED WORKERS AND AVERAGE MONTHLY BENEFIT, NORTH DAKOTA, SELECTED YEARS, 1950-1982

Year*	Number**	Average Monthly Benefit
1950	2,495	$ 36.56
1955	9,173	52.90
1956	11,471	54.23
1957	19,101	61.74
1958	23,510	63.52
1959	26,235	70.79
1960	28,482	71.64
1961	31,847	72.60
1962	34,707	72.60
1963	36,234	72.92
1964	37,242	73.32
1965	38,395	79.13
1966	40,380	79.36
1967	41,156	80.30
1968	42,196	92.48
1969	42,960	93.62
1970	44,381	110.01
1971	46,078	122.53
1972	47,792	150.36
1973	49,734	153.40
1974	50,598	173.40
1975	52,011	191.57
1976	53,499	209.18
1977	55,357	227.34
1978	56,200	257.00
1979	57,400	287.00
1980	58,600	317.00
1981	59,800	325.00
1982	61,000	344.00

SOURCE: U.S. Social Security Administration; Bismarck and Grand Forks, North Dakota offices.

* As of December 31 of year indicated.

** Excludes "special" primary beneficiaries and "special" wife beneficiaries.

TABLE 14.03

SOCIAL SECURITY: NUMBER OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, DECEMBER 1979

County	Total	Benefit Category				
		Retired Worker*	Disabled Worker	Husband or Wife**	Children	Widow, Widower, or Parent
NORTH DAKOTA	104,363	57,428	4,962	14,309	12,362	15,302
Adams	741	422	26	116	76	101
Barnes	3,079	1,851	102	395	255	476
Benson	1,723	874	60	268	295	226
Billings	97	55	2	18	13	9
Bottineau	2,050	1,207	58	315	179	291
Bowman	786	413	41	105	91	136
Burke	993	573	35	170	78	137
Burleigh	6,336	3,501	410	679	897	849
Cass	11,017	6,324	674	1,156	1,288	1,575
Cavalier	1,632	843	48	287	166	288
Dickey	1,483	841	63	219	129	231
Divide	746	438	21	118	55	114
Dunn	706	367	21	130	85	103
Eddy	907	526	26	126	87	142
Emmons	1,228	603	58	260	128	179
Foster	984	541	34	154	110	145
Golden Valley	530	303	16	75	51	85
Grand Forks	6,834	3,893	388	643	952	958
Grant	877	421	37	175	110	134
Griggs	907	536	25	146	79	121
Hettinger	955	468	42	182	105	158
Kidder	752	367	42	142	84	117
LaMoure	1,448	794	48	269	91	246
Logan	886	447	43	193	73	130
McHenry	1,844	[illegible]	74	332	206	258
McIntosh	1,312	697	46	274	97	198
McKenzie	923	500	37	125	124	137
McLean	2,340	1,218	92	394	286	350
Mercer	1,278	623	55	236	133	231
Morton	3,708	1,734	243	570	536	625

TABLE 13.35

FEDERAL FUNDS DISTRIBUTED IN NORTH DAKOTA BY COUNTY, SELECTED FISCAL YEARS, 1970-1980 (Thousands of Dollars)

County	1970	1975	1976	1977	1978	1979	1980
NORTH DAKOTA	$1,061,423	$1,130,942	$1,113,261	$1,476,483	$1,699,521	$1,580,031	$1,667,224
Adams	6,330	3,561	4,293	8,136	10,164	8,649	9,962
Barnes	20,565	15,410	19,815	33,321	38,537	32,749	31,654
Benson	14,941	29,850	31,845	43,262	44,168	47,336	58,549
Billings	10,377	2,831	2,008	3,602	3,456	3,423	2,428
Bottineau	19,343	11,370	11,794	24,071	27,576	24,461	20,342
Bowman	5,262	3,524	4,456	7,742	9,789	8,095	8,345
Burke	8,076	5,264	6,039	11,186	13,477	13,308	9,973
Burleigh	46,520	100,908	104,852	128,791	135,653	152,617	161,729
Cass	83,794	101,045	110,093	143,984	163,419	154,724	176,904
Cavalier	19,262	25,335	36,190	28,482	43,423	28,875	24,257
Dickey	11,074	7461	8,431	16,122	18,761	17,425	15,976
Divide	12,313	6,616	7,641	12,365	14,794	10,594	7,980
Dunn	7,131	4,562	5,316	9,726	11,265	9,074	8,617
Eddy	6,511	4,593	4,749	9,352	9,849	8,158	10,348
Emmons	8,436	7,474	5,562	12,773	14,238	11,056	11,388
Foster	7,972	4,526	5,834	11,273	11,701	11,234	10,552
Golden Valley	3,935	2,355	3,401	5,587	8,602	6,268	6,101
Grand Forks	238,229	176,007	240,856	168,345	176,204	183,733	222,536
Grant	6,717	5,365	5,646	8,033	10,824	9,824	8,613
Griggs	7,711	3,843	4,300	8,430	11,561	9,376	11,590
Hettinger	9,373	4,974	4,981	13,176	16,932	12,749	10,908
Kidder	5,678	4,907	4,212	7,735	9,590	8,423	7,900
LaMoure	17,987	7,762	7,571	16,047	20,157	17,514	16,198
Logan	5,337	4,133	3,903	6,931	8,597	7,367	7,579
McHenry	12,036	10,818	10,566	17,500	22,370	18,845	17,896
McIntosh	7,438	5,740	4,851	9,496	10,762	9,281	9,822
McKenzie	8,093	6,407	6,883	12,562	13,213	11,616	13,746
McLean	22,769	18,947	16,007	26,595	29,853	29,697	24,087
Mercer	6,580	5,832	5,916	9,557	14,516	10,477	14,739
Morton	13,891	20,430	22,444	29,009	32,789	33,369	36,619

TABLE 13.39--Continued

County	1978		1979		1980	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
McLean	178	$ 667	171	$ 764	166	$ 651
Mercer	45	142	40	150	42	157
Morton	155	544	137	559	141	595
Mountrail	214	717	201	728	200	726
Nelson	52	178	50	189	54	174
Oliver	15	40	12	43	12	36
Pembina	146	656	139	698	141	670
Pierce	46	152	43	151	41	143
Ramsey	157	610	165	664	158	697
Ransom	47	159	46	169	46	158
Renville	36	123	30	131	27	102
Richland	177	605	175	663	177	681
Rolette	438	1,490	409	1,413	439	1,605
Sargent	52	191	53	202	51	157
Sheridan	40	129	35	129	34	111
Sioux	264	895	255	929	265	981
Slope	11	23	9	24	9	25
Stark	144	511	141	567	151	691
Steele	79	213	72	239	44	191
Stutsman	230	935	226	1,012	224	1,020
Towner	33	117	40	127	32	114
Traill	59	206	58	222	62	221
Walsh	96	346	95	367	89	341
Ward	1,429	4,072	1,277	4,153	1,303	4,445
Wells	97	312	78	305	85	314
Williams	112	400	108	423	103	433
Unallocated	44	191	39	191	197	960

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

TABLE 14.01--Continued

County	1959	1965	1970	1975	1978	1979	1980
McIntosh	$ 630	$ 957	$ 1,856	$ 3,847	$ 4,889	$ 5,378	$ 6,320
McKenzie	811	1,019	1,737	3,266	4,537	5,018	5,896
McLean	1,799	2,266	4,063	8,302	11,459	12,761	15,036
Mercer	733	1,121	2,182	4,465	6,492	7,426	9,016
Morton	2,341	3,435	6,593	13,794	18,725	20,707	25,317
Mountrail	1,539	1,983	3,525	6,143	7,791	8,530	9,739
Nelson	1,057	1,564	2,669	5,006	6,709	7,046	8,190
Oliver	194	279	472	816	1,191	1,352	1,630
Pembina	1,829	2,707	4,788	8,453	11,589	12,523	14,372
Pierce	736	1,066	2,164	4,258	5,541	6,210	7,241
Ramsey	2,006	2,973	5,347	10,948	14,307	15,276	17,701
Ransom	1,400	1,723	2,921	5,417	6,906	7,505	8,728
Renville	579	741	1,279	2,766	3,570	4,073	4,662
Richland	2,731	4,001	6,867	13,778	17,904	19,678	23,088
Rolette	1,859	3,005	6,429	10,917	13,973	15,898	18,150
Sargent	902	1,264	2,199	4,012	5,298	5,710	6,935
Sheridan	391	548	1,029	2,061	2,521	2,823	3,288
Sioux	587	994	2,151	3,306	3,708	4,143	4,713
Slope	152	182	325	637	834	855	988
Stark	1,851	2,935	5,912	12,396	15,803	17,512	20,353
Steele	5,32	764	1,245	2,298	2,970	3,225	3,762
Stutsman	3,011	4,431	8,116	16,111	20,901	22,790	26,829
Towner	705	996	1,846	3,400	4,260	4,602	5,309
Traill	1,583	2,345	4,036	7,749	10,523	11,853	13,610
Walsh	2,241	3,555	6,534	12,228	16,628	18,106	20,768
Ward	6,487	8,842	17,234	35,392	47,311	52,263	60,782
Wells	1,191	1,711	3,308	5,951	7,994	8,563	9,941
Williams	3,152	3,948	7,521	13,794	18,198	19,826	22,759

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 14.03--Continued

County	Total	Benefit Category				
		Retired Worker*	Disabled Worker	Husband or Wife**	Children	Widow, Widower, or Parent
Mountrail	1,582	821	88	193	255	225
Nelson	1,482	880	49	217	120	216
Oliver	265	125	14	54	35	37
Pembina	2,246	1,259	100	304	228	355
Pierce	1,229	708	44	182	120	175
Ramsey	2,650	1,568	114	342	243	383
Ransom	1,497	908	57	215	104	213
Renville	766	421	24	127	83	111
Richland	3,320	1,890	108	489	309	524
Rolette	1,726	796	114	178	412	226
Sargent	1,153	617	44	188	113	191
Sheridan	561	302	19	117	46	77
Sioux	333	104	20	32	136	41
Slope	141	80	6	21	22	12
Stark	3,209	1,603	177	491	437	501
Steele	611	352	10	118	42	89
Stutsman	4,010	2,259	252	481	430	588
Towner	856	496	27	125	71	137
Traill	2,255	1,332	66	318	195	344
Walsh	3,614	1,941	143	421	659	450
Ward	6,830	3,884	393	734	884	935
Wells	1,689	928	59	297	132	273
Williams	3,236	1,800	167	393	427	449

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota office.

* Includes "special" primary beneficiaries.

** Includes "special" wife beneficiaries.

TABLE 14.05

SOCIAL SECURITY: NUMBER OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY AGE OF BENEFICIARY AND SEX OF ADULTS, BY NORTH DAKOTA COUNTY, DECEMBER 1979

County	Total	Age of Beneficiary			Adult Beneficiaries	
		Under 65	65-71	72 and over	Men	Women
NORTH DAKOTA	104,363	29,029	32,034	43,300	39,342	52,659
Adams	741	196	242	303	300	365
Barnes	3,079	670	959	1,450	1,190	1,634
Benson	1,723	547	496	680	680	748
Billings	97	28	48	21	44	40
Bottineau	2,050	472	663	915	884	987
Bowman	786	222	241	323	289	406
Burke	993	230	345	418	422	493
Burleigh	6,336	2,039	1,926	2,371	2,131	3,308
Cass	11,017	3,155	3,120	4,742	3,833	5,896
Cavalier	1,632	390	509	733	653	813
Dickey	1,483	370	457	656	598	756
Divide	746	163	263	320	304	387
Dunn	706	207	258	241	287	334
Eddy	907	203	271	433	365	455
Emmons	1,228	355	385	488	524	576
Foster	984	265	300	419	392	482
Golden Valley	530	125	168	237	190	289
Grand Forks	6,834	2,061	1,918	2,855	2,271	3,611
Grant	877	270	323	284	362	405
Griggs	907	200	307	400	388	440
Hettinger	955	268	341	346	384	466
Kidder	752	220	246	286	311	357
LaMoure	1,448	288	502	658	606	751
Logan	886	226	334	326	366	447
McHenry	1,844	475	604	765	751	887
McIntosh	1,312	291	459	562	540	675
McKenzie	923	294	313	316	367	432
McLean	2,340	670	774	896	934	1,120
Mercer	1,278	337	486	455	505	640
Morton	3,708	1,258	1,067	1,383	1,307	1,865

TABLE 14.05--Continued

County	Total	Age of Beneficiary			Adult Beneficiaries	
		Under 65	65-71	72 and over	Men	Women
Mountrail	1,582	547	479	556	618	709
Nelson	1,482	301	418	763	618	744
Oliver	265	85	89	91	109	121
Pembina	2,246	588	655	1003	893	1,125
Pierce	1,229	290	419	520	473	636
Ramsey	2,650	620	820	1,210	1,007	1,400
Ransom	1,497	328	465	704	638	755
Renville	766	183	280	303	322	361
Richland	3,320	756	966	1,598	1,289	1,722
Rolette	1,726	721	471	534	590	724
Sargent	1,153	284	340	529	482	558
Sheridan	561	127	194	240	256	259
Sioux	333	209	59	74	93	104
Slope	141	54	36	51	62	57
Stark	3,209	1,032	1,012	1,165	1,172	1,600
Steele	611	122	195	294	256	313
Stutsman	4,010	1,114	1,232	1,664	1,468	2,112
Towner	856	169	256	431	341	444
Traill	2,255	495	639	1,121	889	1,171
Walsh	3,614	1,149	929	1,536	1,297	1,658
Ward	6,830	2,034	2,191	2,605	2,405	3,541
Wells	1,689	358	542	789	697	860
Williams	3,236	977	1,022	1,237	1,189	1,620

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota office.

TABLE 14.06

SUPPLEMENTAL SECURITY INCOME (SSI): NUMBER OF ADULT UNITS AND CHILDREN RECEIVING PAYMENTS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, JUNE 1981

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
NORTH DAKOTA	5,870	2,608	216	2,700	62	284
Adams	56	20	2	26	0	8
Barnes	126	74	4	42	0	6
Benson	152	66	10	64	4	8
Billings	0	0	0	0	0	0
Bottineau	90	52	4	32	0	2
Bowman	26	16	0	10	0	0
Burke	36	20	2	14	0	0
Burleigh	320	138	10	146	4	22
Cass	542	194	8	310	2	28
Cavalier	82	48	8	22	0	4
Dickey	112	60	0	46	2	4
Divide	38	16	2	18	0	2
Dunn	38	16	2	18	0	2
Eddy	46	34	2	10	0	0
Emmons	78	44	8	24	0	2
Foster	32	20	4	8	0	0
Golden Valley	20	6	2	10	0	2
Grand Forks	380	130	6	214	2	28
Grant	64	28	2	32	0	2
Griggs	38	22	0	16	0	0
Hettinger	78	30	0	46	0	2
Kidder	42	22	2	16	0	2
LaMoure	66	40	0	22	0	4
Logan	60	24	2	30	4	0
McHenry	90	40	4	42	2	2
McIntosh	90	52	6	26	0	6
McKenzie	30	14	0	14	0	2
McLean	192	66	12	112	2	0
Mercer	86	40	6	38	2	0
Morton	220	106	10	88	6	10

TABLE 14.06--Continued

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
Mountrail	96	36	4	52	2	2
Nelson	72	40	0	32	0	0
Oliver	12	2	0	8	0	2
Pembina	132	70	6	54	0	2
Pierce	58	30	4	24	0	0
Ramsey	148	66	2	68	2	10
Ransom	62	34	2	26	0	0
Renville	22	10	4	8	0	0
Richland	152	94	4	46	2	6
Rolette	302	116	16	146	6	18
Sargent	62	34	4	22	0	2
Sheridan	52	30	6	14	2	0
Sioux	80	30	6	40	2	2
Slope	6	2	2	2	0	0
Stark	188	68	6	106	4	4
Steele	18	10	2	6	0	0
Stutsman	356	144	8	148	6	50
Towner	40	26	2	12	0	0
Traill	78	52	0	22	2	2
Walsh	110	52	0	48	0	10
Ward	380	134	8	212	4	22
Wells	86	46	6	30	0	4
Williams	124	42	6	76	0	0

SOURCE: U.S. Social Security Administration, Supplemental Security Income, State and County Data, June 1981.

Note: A random rounding procedure has been used to avoid disclosure of reason for eligibility of particular individuals. See source document for details.

TABLE 14.07

SUPPLEMENTAL SECURITY INCOME (SSI): MONTHLY AMOUNT OF PAYMENTS IN THOUSANDS OF DOLLARS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, JUNE 1981

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
NORTH DAKOTA	$758	$252	$24	$420	$10	$52
Adams	6	2	0	3	0	1
Barnes	16	6	0	9	0	1
Benson	24	9	1	11	1	2
Billings	0	0	0	0	0	0
Bottineau	8	4	0	4	0	0
Bowman	3	2	0	1	0	0
Burke	6	2	0	4	0	0
Burleigh	39	12	1	22	0	4
Cass	75	18	1	50	0	6
Cavalier	8	4	1	2	0	1
Dickey	9	4	0	5	0	0
Divide	5	2	0	3	0	0
Dunn	3	1	0	2	0	0
Eddy	3	2	0	1	0	0
Emmons	9	4	1	4	0	0
Foster	5	2	1	2	0	0
Golden Valley	3	1	0	2	0	0
Grand Forks	55	12	1	36	0	6
Grant	10	4	0	6	0	0
Griggs	3	2	0	1	0	0
Hettinger	10	3	0	7	0	0
Kidder	6	2	0	4	0	0
LaMoure	8	4	0	3	0	1
Logan	7	2	0	4	1	0
McHenry	11	4	1	6	0	0
McIntosh	9	4	1	3	0	1
McKenzie	4	2	0	2	0	0
McLean	26	8	2	16	0	0
Mercer	11	4	1	6	0	0
Morton	28	11	1	13	1	2

TABLE 14.07--Continued

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
Mountrail	$ 12	$ 3	$ 0	$ 8	$ 1	$ 0
Nelson	6	3	0	3	0	0
Oliver	1	0	0	1	0	0
Pembina	17	7	1	8	0	1
Pierce	9	5	1	3	0	0
Ramsey	16	5	0	9	0	2
Ransom	6	3	0	3	0	0
Renville	2	1	0	1	0	0
Richland	15	9	0	5	0	1
Rolette	51	16	2	27	2	4
Sargent	6	3	0	3	0	0
Sheridan	7	4	1	2	0	0
Sioux	15	5	1	8	1	0
Slope	0	0	0	0	0	0
Stark	23	6	1	14	1	1
Steele	2	1	0	1	0	0
Stutsman	51	11	1	28	1	10
Towner	3	2	0	1	0	0
Traill	9	5	0	4	0	0
Walsh	18	6	0	9	0	3
Ward	50	14	1	30	1	4
Wells	11	3	1	6	0	1
Williams	16	3	1	12	0	0

SOURCE: U.S. Social Security Administration, Supplemental Security Income, State and County Data, June 1981.

Note: A random rounding procedure has been used to avoid disclosing amounts of benefits received by particular individuals. See source document for details.

TABLE 14.09

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE MONTHLY NUMBER OF FAMILIES RECEIVING PAYMENTS BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982*

County	1970	1975	1979	1980	1981	1982**
NORTH DAKOTA	2,675	4,246	4,570	4,540	4,775	4,172
Adams	5	11	12	12	15	11
Barnes	38	43	62	65	67	65
Benson	179	281	273	261	286	259
Billings	3	4	3	2	1	1
Bottineau	19	21	41	48	53	49
Bowman	4	10	14	12	8	9
Burke	9	19	20	17	18	13
Burleigh	103	324	330	329	362	314
Cass	199	483	522	532	591	493
Cavalier	37	58	42	35	35	31
Dickey	22	26	33	36	43	31
Divide	9	12	18	17	16	12
Dunn	39	49	33	30	35	27
Eddy	23	21	28	26	22	24
Emmons	7	18	11	7	9	7
Foster	15	21	27	27	32	29
Golden Valley	4	4	5	6	7	9
Grand Forks	210	281	280	303	300	246
Grant	7	16	17	16	14	10
Griggs	6	11	10	11	13	17
Hettinger	6	6	14	11	13	11
Kidder	16	27	28	26	27	20
LaMoure	15	23	19	19	21	18
Logan	8	13	8	11	14	10
McHenry	33	54	58	45	47	40
McIntosh	8	12	14	15	19	14
McKenzie	41	72	57	54	64	71
McLean	67	102	102	106	108	91
Mercer	7	15	29	38	45	48
Morton	60	119	129	124	153	146

TABLE 14.09--Continued

County	1970	1975	1979	1980	1981	1982**
Mountrail	80	113	100	102	94	103
Nelson	20	26	12	12	18	15
Oliver	2	4	8	6	6	7
Pembina	68	84	100	96	101	73
Pierce	15	38	35	34	35	26
Ramsey	61	85	77	77	84	72
Ransom	13	29	34	37	38	31
Renville	8	14	9	9	7	6
Richland	47	61	76	77	74	66
Rolette	361	540	727	736	711	666
Sargent	12	15	28	23	24	21
Sheridan	5	13	18	18	17	11
Sioux	77	87	117	120	128	147
Slope	1	1	2	2	1	1
Stark	34	77	61	68	78	71
Steele	8	5	11	11	10	6
Stutsman	107	154	157	144	170	140
Towner	19	33	32	32	31	26
Traill	13	20	28	23	24	20
Walsh	66	94	93	89	88	77
Ward	301	375	422	430	457	354
Wells	30	84	27	26	26	19
Williams	116	188	157	137	115	88

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for various years).

* Excludes Refugee Assistance.

** The normal increase in caseload was offset and caseload was reduced by implementation of Omnibus Reconciliation Act of 1981.

TABLE 14.04

SOCIAL SECURITY: AMOUNT OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS BY BENEFIT CATEGORY AND AGE OF BENEFICIARY, BY NORTH DAKOTA COUNTY, DECEMBER 1979 (Dollars)

County	Total	Benefit Category					Age of Beneficiary	
		Retired Worker*	Disabled Worker	Husband or Wife**	Children	Widow, Widower, or Parent	Under 65	65 and Over
NORTH DAKOTA	$24,940,554	$15,632,555	$1,467,802	$1,966,101	$2,006,333	$3,867,763	$5,771,392	$19,169,162
Adams	184,345	119,986	7,624	17,209	13,853	25,673	40,653	143,692
Barnes	744,882	493,249	29,666	55,262	42,339	124,366	133,053	611,829
Benson	374,070	233,735	15,965	36,552	33,534	54,284	83,066	291,004
Billings	19,125	13,008	518	1,819	1,501	2,279	4,534	14,591
Bottineau	494,547	328,559	17,014	44,698	29,046	75,230	94,078	400,469
Bowman	188,053	113,102	12,293	14,936	14,122	33,600	42,546	145,507
Burke	236,203	154,555	10,224	23,816	12,522	35,086	43,169	193,034
Burleigh	1,592,623	1,001,578	126,721	95,811	150,764	217,749	428,152	1,164,471
Cass	2,921,328	1,841,814	213,527	176,620	252,153	437,214	734,878	2,186,450
Cavalier	381,568	231,686	15,128	39,271	23,546	71,937	71,770	309,798
Dickey	341,896	219,485	17,363	28,802	21,184	55,062	72,490	269,406
Divide	189,373	124,630	6,341	18,872	9,280	30,250	33,296	156,077
Dunn	141,486	87,621	6,196	14,955	11,242	21,472	33,353	108,133
Eddy	213,416	140,569	6,347	17,202	14,057	35,241	38,498	174,918
Emmons	251,548	147,990	16,722	30,198	16,566	40,072	61,506	190,042
Foster	228,643	146,917	9,284	22,052	15,722	34,668	48,667	179,976
Golden Valley	129,414	83,712	4,481	10,409	9,595	21,217	25,361	104,053
Grand Forks	1,761,255	1,115,705	115,458	97,174	173,124	259,794	444,854	1,316,401
Grant	172,326	101,207	9,587	19,392	12,877	29,263	42,058	130,268
Griggs	208,631	139,193	7,234	19,928	13,119	29,157	37,348	171,283
Hettinger	221,719	127,943	14,417	24,149	14,461	40,749	51,691	170,028
Kidder	157,107	90,575	11,901	16,860	10,534	27,237	37,750	119,357
LaMoure	337,436	209,786	14,814	36,526	15,105	61,205	59,249	278,187
Logan	188,132	109,837	11,222	23,844	11,181	32,048	42,361	145,771
McHenry	406,887	253,107	21,286	41,969	29,625	60,900	83,771	323,116

TABLE 14.04--Continued

County	Total	Benefit Category					Age of Beneficiary	
		Retired Worker*	Disabled Worker	Husband or Wife**	Children	Widow, Widower, or Parent	Under 65	65 and Over
McIntosh	$267,081	$165,862	$113,258	$32,262	$12,404	$43,295	$50,866	$216,215
McKenzie	212,275	134,324	10,664	16,816	18,163	32,308	53,057	159,218
McLean	535,775	326,126	27,929	54,923	42,229	84,568	124,704	411,071
Mercer	288,633	159,743	18,744	29,687	26,034	54,425	73,330	215,303
Morton	806,833	445,797	72,851	67,950	76,354	143,881	235,202	571,631
Mountrail	361,185	219,851	25,088	27,669	36,050	52,527	99,252	261,933
Nelson	356,081	236,182	13,968	31,274	18,969	55,688	58,478	297,603
Oliver	56,881	31,557	4,895	65,41	5,662	8,226	15,984	40,897
Pembina	544,364	340,416	29,330	43,579	40,795	90,244	124,378	419,986
Pierce	286,798	188,146	12,546	25,418	17,381	43,307	53,658	233,140
Ramsey	660,116	435,923	32,925	51,746	37,773	101,749	124,513	535,603
Ransom	333,039	222,710	16,371	27,147	15,502	51,309	62,885	270,154
Renville	190,919	123,091	6,666	18,376	12,712	30,074	34,988	155,931
Richland	779,347	493,026	32,126	66,175	55,410	132,610	154,628	624,719
Rolette	349,087	200,035	31,299	21,574	48,980	47,199	111,833	237,254
Sargent	262,850	161,555	12,469	24,978	18,371	45,477	54,331	208,519
Sheridan	117,020	75,637	4,933	13,483	5,477	17,490	20,758	96,262
Sioux	54,695	24,827	5,248	3,288	14,280	7,052	25,867	28,828
Slope	30,122	19,398	2,196	2,784	3,049	2,695	10,273	19,849
Stark	694,728	403,936	48,769	58,706	64,247	119,070	187,685	507,043
Steele	154,884	102,149	3,102	17,615	7,982	24,036	25,375	129,509
Stutsman	963,394	606,142	68,409	66,081	72,961	149,801	225,423	737,971
Towner	216,278	142,050	7,575	19,117	12,320	35,216	34,481	181,797
Traill	553,757	363,383	20,697	46,477	33,656	89,544	101,259	452,498
Walsh	847,483	524,685	41,932	58,690	106,107	116,069	218,949	628,534
Ward	1,724,706	1,102,598	114,125	107,244	152,568	248,171	422,559	1,302,147
Wells	391,116	244,501	16,443	40,491	20,745	68,936	67,706	323,410
Williams	815,094	509,356	51,911	57,684	79,100	117,043	210,818	604,276

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota office.

* Includes "special" primary beneficiaries. ** Includes "special" wife beneficiaries.

TABLE 14.08

AID TO FAMILES WITH DEPENDENT CHILDREN: TOTAL PAYMENTS FOR MAINTENANCE BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982*

County	1970	1975	1979	1980	1981	1982**
NORTH DAKOTA	$6,258,186	$10,492,879	$13,439,064	$14,148,074	$15,903,756	$15,953,066
Adams	$ 11,730	$ 17,682	$ 29,830	$ 38,604	$,42,688	$ 37,344
Barnes	101,217	106,665	183,222	201,624	235,482	251,061
Benson	416,517	757,179	818,943	808,120	960,402	946,887
Billings	7,687	10,698	10,323	6,271	2,051	2,850
Bottineau	36,590	42,873	125,750	156,665	173,320	210,259
Bowman	6,928	19,992	35,867	34,335	20,390	28,830
Burke	23,059	50,075	60,744	55,642	64,526	53,451
Burleigh	227,403	795,060	891,668	972,577	1,168,835	1,175,458
Cass	507,415	1,129,051	1,523,340	1,657,473	2,026,989	1,921,165
Cavalier	80,077	134,672	124,761	114,872	125,344	117,382
Dickey	39,812	68,643	101,910	110,758	152,308	121,963
Divide	24,813	24,512	42,987	37,195	41,011	35,944
Dunn	78,848	133,745	88,053	85,566	101,282	92,134
Eddy	57,943	56,404	80,035	75,679	78,266	99,920
Emmons	15,679	41,020	27,798	20,208	29,595	26,867
Foster	35,542	45,043	84,798	90,619	121,285	126,311
Golden Valley	6,516	8,185	12,502	14,361	18,478	30,449
Grand Forks	543,375	662,668	836,690	960,334	1,019,153	954,242
Grant	14,867	35,362	48,137	52,576	49,308	35,651
Griggs	11,293	21,270	31,480	36,010	45,697	56,371
Hettinger	17,176	16,579	40,524	29,766	41,175	43,007
Kidder	26,284	67,069	69,436	63,553	68,494	62,313
LaMoure	31,579	57,639	52,819	59,574	62,712	59,799
Logan	10,289	26,575	24,048	36,042	49,813	41,227
McHenry	79,494	123,401	157,681	125,892	146,297	152,305
McIntosh	11,543	27,923	47,458	57,392	59,101	45,821
McKenzie	91,738	182,924	162,426	163,113	193,692	262,103
McLean	140,477	244,120	311,162	335,915	369,088	333,611
Mercer	18,037	37,030	79,527	112,236	142,517	176,991
Morton	138,873	283,788	389,483	387,665	518,136	563,018

TABLE 14.08--Continued

County	1970	1975	1979	1980	1981	1982**
Mountrail	$ 196,169	$ 302,285	$ 297,215	$ 324,581	$ 332,640	$ 392,473
Nelson	42,711	66,567	35,521	36,475	57,977	54,473
Oliver	3,588	7,427	18,189	11,507	11,068	21,740
Pembina	153,866	219,169	288,416	280,292	326,091	265,755
Pierce	40,023	91,067	93,604	103,360	109,997	90,193
Ramsey	151,466	193,841	214,874	212,205	267,589	268,681
Ransom	24,144	75,413	100,303	105,195	114,043	109,998
Renville	19,732	31,962	28,116	27,882	22,902	24,248
Richland	115,274	146,007	212,200	236,052	252,484	267,368
Rolette	922,306	1,536,554	2,387,798	2,523,074	2,507,365	2,696,055
Sargent	16,648	27,373	78,702	72,095	88,660	82,248
Sheridan	7,043	30,308	44,535	45,485	49,807	39,339
Sioux	136,966	231,032	349,260	354,779	388,862	542,660
Slope	441	1,527	6,611	789	2,531	3,832
Stark	79,434	190,207	169,091	225,579	274,508	286,328
Steele	12,024	9,145	29,684	28,861	31,107	24,323
Stutsman	216,287	345,746	429,685	425,722	534,269	515,074
Towner	44,150	79,380	88,485	96,526	92,379	91,595
Traill	35,153	40,892	84,876	72,878	85,791	85,303
Walsh	162,271	222,989	254,983	263,106	290,249	281,994
Ward	677,190	911,304	1,241,601	1,342,671	1,497,918	1,339,850
Wells	75,744	75,576	74,472	77,050	88,832	73,322
Williams	280,173	432,261	417,741	381,273	349,252	330,480

SOURCE: Social Services Board of North Dakota, Statistics, (fiscal year reviews for various years).

* Excludes Refugee Assistance.

** Includes 13 months of payments due to shifting from 2-month retrospective budgeting to 1-month retrospective budgeting. The normal increase was partially offset by implementation of Omnibus Reconciliation Act of 1981.

TABLE 14.10

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE MONTHLY PAYMENT PER FAMILY BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982

County	1970	1975	1979	1980	1981	1982
NORTH DAKOTA	$194.97	$205.93	$245.05	$259.69	$277.58	$294.11
Adams	189.19	131.96	207.15	277.86	238.48	266.74
Barnes	220.52	207.52	243.97	259.16	290.36	296.06
Benson	193.55	224.15	249.68	257.44	280.00	280.98
Billings	247.97	205.73	279.00	232.26	293.00	316.67
Bottineau	157.04	166.82	256.63	269.18	269.97	326.49
Bowman	130.72	173.84	210.98	231.99	201.88	244.32
Burke	207.74	221.57	248.95	276.82	293.30	312.58
Burleigh	184.73	204.65	225.40	246.16	269.01	288.03
Cass	212.04	194.86	243.23	264.82	285.61	299.81
Cavalier	182.41	193.49	247.54	271.56	296.32	292.00
Dickey	150.00	222.15	255.41	259.39	295.17	298.93
Divide	236.31	171.41	204.70	187.85	218.14	231.90
Dunn	167.40	225.92	224.62	235.07	237.19	265.34
Eddy	210.70	227.44	239.63	244.12	290.95	323.36
Emmons	195.99	183.95	210.59	229.64	274.03	298.52
Foster	201.94	175.26	258.53	275.44	318.33	330.66
Golden Valley	151.53	186.02	211.90	191.48	212.39	269.46
Grand Forks	215.45	196.23	248.70	264.19	283.26	297.83
Grant	165.19	182.28	231.43	275.27	295.26	285.21
Griggs	152.61	161.14	266.78	266.74	289.22	257.40
Hettinger	220.20	227.11	239.79	223.80	265.64	290.59
Kidder	134.10	194.74	204.22	203.04	210.10	238.75
LaMoure	177.41	205.85	236.86	262.44	244.97	261.13
Logan	109.46	173.69	253.14	273.04	296.50	309.98
McHenry	202.79	189.85	225.58	235.31	261.71	295.16
McIntosh	125.47	200.88	280.82	322.43	362.67	246.35
McKenzie	187.60	212.46	237.46	252.50	252.20	284.28
McLean	174.07	200.26	253.39	264.71	284.35	283.44
Mercer	202.66	209.21	227.22	248.86	264.90	285.93
Morton	191.81	199.01	251.28	260.35	283.13	296.79

TABLE 14.10--Continued

County	1970	1975	1979	1980	1981	1982
Mountrail	$205.20	$223.25	$246.86	$264.10	$295.16	$293.11
Nelson	180.22	212.67	240.01	251.55	263.53	277.92
Oliver	149.50	145.63	195.58	159.82	151.62	244.27
Pembina	189.26	215.14	240.55	242.26	269.50	278.86
Pierce	230.02	199.71	223.93	255.21	265.05	262.95
Ramsey	206.08	190.98	231.54	229.41	265.46	287.67
Ransom	153.78	216.70	245.84	236.92	252.31	277.07
Renville	201.35	189.12	251.04	255.80	286.28	323.31
Richland	205.11	199.46	233.70	255.19	285.94	311.25
Rolette	213.10	237.23	273.64	285.64	293.84	311.50
Sargent	114.81	152.92	235.63	259.33	306.78	295.86
Sheridan	128.05	194.28	206.18	215.57	246.57	279.00
Sioux	148.55	221.51	250.01	247.40	253.33	283.08
Slope	33.92	218.14	227.96	171.16*	316.38	425.78
Stark	194.22	204.74	229.74	277.12	292.03	308.54
Steele	119.05	149.92	235.59	222.01	263.62	315.88
Stutsman	168.45	187.40	228.92	245.66	262.28	282.23
Towner	192.79	200.45	232.86	249.42	250.35	269.40
Traill	231.27	171.10	255.65	264.05	298.92	326.83
Walsh	204.37	197.86	229.51	245.20	274.34	283.41
Ward	187.43	202.47	245.52	260.26	273.34	291.27
Wells	211.58	187.07	227.74	246.17	286.55	293.29
Williams	200.55	191.27	221.26	232.62	252.35	288.63

SOURCE: Social Services Board of North Dakota, Statistics, (fiscal year review for various years).

* Corrected for $2,462 negative adjustment by using payments without negative adjustment.

TABLE 14.11

AID TO FAMILIES WITH DEPENDENT CHILDREN: AVERAGE MONTHLY NUMBER OF INDIVIDUALS RECEIVING PAYMENTS BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982

County	1970	1975	1979	1980	1981	1982*
NORTH DAKOTA	10,298	13,173	12,974	12,526	12,974	11,327
Adams	18	21	29	32	40	27
Barnes	157	146	182	182	187	169
Benson	737	917	657	772	845	743
Billings	17	16	10	7	1	3
Bottineau	72	59	136	129	136	136
Bowman	9	27	42	35	22	21
Burke	48	67	62	48	56	42
Burleigh	373	911	845	820	906	806
Cass	801	1,404	1,388	1,377	1,536	1,279
Cavalier	138	174	121	105	103	86
Dickey	66	90	93	97	121	94
Divide	34	32	39	35	36	27
Dunn	162	174	94	83	96	67
Eddy	83	72	84	76	71	73
Emmons	27	49	29	19	23	19
Foster	51	74	87	82	93	86
Golden Valley	15	16	22	20	17	21
Grand Forks	836	884	811	843	836	675
Grant	27	40	48	47	42	30
Griggs	17	29	33	34	36	41
Hettinger	32	24	38	30	36	30
Kidder	60	80	80	71	67	56
LaMoure	59	71	54	56	56	41
Logan	20	38	23	32	40	29
McHenry	123	164	60	117	119	105
McIntosh	28	35	51	51	57	38
McKenzie	147	219	160	145	167	187
McLean	244	311	305	309	309	256
Mercer	26	50	86	102	115	123
Morton	225	356	361	329	397	387

TABLE 14.11--Continued

County	1970	1975	1979	1980	1981	1982*
Mountrail	340	378	291	282	270	288
Nelson	65	101	46	37	51	35
Oliver	5	9	17	13	13	15
Pembina	258	275	283	263	266	189
Pierce	65	121	98	97	94	68
Ramsey	245	270	213	201	214	193
Ransom	51	93	104	107	97	81
Renville	34	48	33	30	25	20
Richland	203	188	219	217	214	187
Rolette	1,512	1,791	2,193	2,146	2,046	1,900
Sargent	32	35	70	57	65	58
Sheridan	17	42	44	46	49	33
Sioux	268	273	339	334	343	397
Slope	2	3	5	3	2	2
Stark	130	254	168	188	215	196
Steele	23	16	31	28	25	17
Stutsman	368	465	439	399	465	385
Towner	64	106	87	81	74	64
Traill	69	68	85	68	69	58
Walsh	244	280	254	252	242	204
Ward	1,086	1,147	1,149	1,167	1,197	944
Wells	125	100	76	70	72	57
Williams	416	560	414	355	300	239

SOURCE: Social Service Board of North Dakota, Statistics, (fiscal year review for various years).

* The normal increase was offset and number of recipients reduced by implementation of Omnibus Reconciliation Act of 1981.

TABLE 14.12

MEDICAL ASSISTANCE UNDER TITLE XIX: TOTAL MEDICAL PAYMENTS BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982*

County	1970	1975	1979	1980	1981	1982
NORTH DAKOTA**	$11,462,539	$23,972,013	$39,409,637	$48,358,183	$57,167,960	$65,767,885
Adams	42,025	179,431	263,717	370,275	476,469	470,797
Barnes	339,743	489,462	864,367	1,073,447	1,204,078	1,329,436
Benson	377,226	895,408	1,163,987	1,210,425	1,585,633	1,834,007
Billings	13,195	30,177	32,994	39,101	48,397	63,651
Bottineau	186,451	337,850	468,699	547,940	667,707	866,283
Bowman	83,103	134,187	197,045	234,234	247,651	389,003
Burke	96,460	169,076	248,196	282,089	334,684	308,739
Burleigh	518,424	1,172,457	2,079,801	2,691,148	3,662,801	4,214,816
Cass	958,963	2,439,421	3,875,540	5,276,171	5,789,902	7,268,885
Cavalier	133,117	326,447	531,879	633,476	778,980	905,758
Dickey	214,081	464,703	723,254	910,621	1,052,547	1,139,023
Divide	58,008	147,154	257,062	265,030	320,116	395,829
Dunn	96,668	236,454	420,633	424,604	548,559	773,611
Eddy	147,008	220,791	333,269	427,947	410,411	548,765
Emmons	150,452	280,872	359,859	430,627	564,636	638,877
Foster	125,256	286,242	348,363	444,605	447,117	644,447
Golden Valley	35,489	49,299	118,376	119,327	103,034	228,951
Grand Forks	809,756	1,345,158	2,164,776	2,790,052	3,256,487	4,078,547
Grant	100,045	173,793	382,452	497,662	492,169	482,172
Griggs	88,671	191,384	312,867	305,758	365,190	490,172
Hettinger	50,481	106,532	263,332	341,012	363,813	488,025
Kidder	108,191	247,821	370,196	499,728	549,843	565,224
LaMoure	124,698	236,061	333,084	455,767	505,429	495,628
Logan	87,958	196,960	304,181	364,602	520,652	476,880
McHenry	197,410	484,474	786,305	926,611	1,124,710	1,386,420
McIntosh	136,887	281,876	423,337	501,819	577,489	671,571
McKenzie	153,014	398,598	447,932	439,946	559,345	721,534
McLean	380,707	695,015	1,095,316	1,260,003	1,408,186	1,482,953
Mercer	148,900	220,350	521,796	584,751	769,545	900,073
Morton	409,835	833,759	1,468,546	1,855,548	2,405,548	2,446,508

TABLE 14.12--Continued

County	1970	1975	1979	1980	1981	1982
Mountrail	$ 275,355	$ 466,423	$ 656,324	$ 798,504	$ 851,525	$ 1,114,162
Nelson	211,585	321,555	401,788	493,847	669,251	733,047
Oliver	33,215	57,007	79,637	137,808	117,187	147,957
Pembina	253,567	424,760	592,392	692,653	988,601	1,191,135
Pierce	102,685	301,137	526,826	623,465	766,181	810,259
Ramsey	240,645	515,648	895,274	1,012,862	1,277,742	1,407,115
Ransom	132,041	322,867	557,347	790,125	729,978	814,861
Renville	45,009	119,485	179,530	134,392	121,804	169,067
Richland	357,783	667,027	1,096,416	1,246,981	1,471,567	1,602,489
Rolette	378,727	1,393,826	2,490,442	3,158,720	3,958,240	3,672,267
Sargent	93,720	325,294	455,730	568,767	576,565	747,680
Sheridan	93,855	142,450	230,959	309,368	331,313	426,363
Sioux	45,961	109,605	156,186	251,777	363,557	434,556
Slope	14,819	45,248	77,054	87,098	108,133	137,243
Stark	196,469	676,770	1,166,052	1,533,710	1,944,257	2,221,435
Steele	72,563	145,565	189,941	229,757	277,749	255,496
Stutsman	480,032	904,891	1,362,123	1,839,249	2,108,726	2,320,743
Towner	121,221	188,973	328,950	455,695	401,592	545,890
Traill	211,395	393,713	651,311	825,385	932,927	1,042,865
Walsh	306,055	501,010	866,091	1,103,806	1,273,845	1,421,950
Ward	824,337	1,458,667	2,460,455	3,277,594	3,368,112	4,182,432
Wells	204,344	355,428	571,037	680,636	823,188	781,788
Williams	365,077	805,728	1,105,123	1,425,712	1,515,179	1,639,011

SOURCE: Social Services Board of North Dakota, Statistics, various years.

* Medical assistance under Title XIX provides needed medical services for children and caretakers receiving Aid to Families with Dependent Children (AFDC) or Supplemental Security Income (SSI).

** State totals include payments not identified with a particular county. Excludes Section 2 payments such as transitional living for developmentally disabled.

TABLE 14.13

MEDICAL ASSISTANCE UNDER TITLE XIX: AVERAGE MONTHLY NUMBER OF INDIVIDUALS IN WHOSE BEHALF MEDICAL PAYMENTS WERE MADE BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1979-1982

County	1979	1980	1981	1982
NORTH DAKOTA*	12,799	13,965	14,773	14,776
Adams	66	75	87	82
Barnes	280	299	303	334
Benson	431	438	463	507
Billings	10	10	8	12
Bottineau	172	181	197	205
Bowman	51	49	47	49
Burke	72	77	88	75
Burleigh	830	897	983	1,001
Cass	1,299	1,447	1,610	1,674
Cavalier	190	198	196	189
Dickey	202	213	232	229
Divide	72	72	76	74
Dunn	113	113	117	107
Eddy	107	112	109	109
Emmons	112	117	129	126
Foster	103	111	127	132
Golden Valley	36	37	34	32
Grand Forks	788	877	907	882
Grant	99	108	110	109
Griggs	70	68	75	89
Hettinger	76	95	103	96
Kidder	108	121	127	111
LaMoure	103	116	119	112
Logan	86	103	108	106
McHenry	219	217	239	233
McIntosh	121	134	148	161
McKenzie	137	131	137	147
McLean	324	330	350	324
Mercer	153	166	184	202
Morton	462	517	576	613

TABLE 14.13--Continued

County	1979	1980	1981	1982
Mountrail	233	245	246	261
Nelson	105	108	128	129
Oliver	29	31	35	34
Pembina	304	331	342	326
Pierce	138	150	158	151
Ramsey	265	267	309	316
Ransom	156	175	173	154
Renville	57	45	43	43
Richland	348	371	370	362
Rolette	1,062	1,223	1,234	1,135
Sargent	139	139	135	136
Sheridan	83	92	93	96
Sioux	65	89	100	116
Slope	13	14	16	16
Stark	296	332	359	381
Steele	53	56	61	56
Stutsman	542	581	613	630
Towner	108	121	112	113
Traill	175	179	179	179
Walsh	286	314	323	317
Ward	867	982	1,017	962
Wells	141	155	160	148
Williams	416	425	399	351

SOURCE: Social Service Board of North Dakota, Statistics, various years.

* Includes individuals not identified with a particular county. Does not include individuals on whose behalf medicare premiums were paid and received other medical service.

TABLE 14.14

MEDICAL ASSISTANCE UNDER TITLE XIX: AVERAGE MONTHLY DIRECT MEDICAL PAYMENT PER INDIVIDUAL BY NORTH DAKOTA COUNTY, SELECTED FISCAL YEARS, 1970-1982

County	1970	1975	1979	1980	1981	1982
NORTH DAKOTA	$112.58	$176.48	$256.60	$288.58	$322.47	$370.93
Adams	72.08	238.70	332.98	414.18	454.21	479.92
Barnes	121.72	179.47	256.79	298.76	331.79	331.94
Benson	113.58	175.97	224.79	230.12	285.44	301.30
Billings	106.27	190.07	279.61	312.81	488.86	457.92
Bottineau	162.49	227.14	226.97	252.62	281.85	351.58
Bowman	206.81	318.90	318.84	396.34	436.01	657.10
Burke	107.62	189.20	286.60	304.30	316.04	341.90
Burleigh	115.41	144.50	208.79	249.97	310.64	350.74
Cass	114.90	176.39	248.70	303.84	299.72	361.83
Cavalier	84.20	141.58	233.69	266.28	331.20	399.01
Dickey	111.06	223.86	298.62	356.27	378.07	414.04
Divide	94.46	223.81	298.91	305.69	351.00	445.25
Dunn	85.54	169.57	310.66	313.59	389.05	601.56
Eddy	136.51	200.63	259.35	319.13	314.73	420.19
Emmons	161.28	228.28	268.15	307.15	364.52	423.10
Foster	167.89	266.82	280.94	334.04	293.19	407.10
Golden Valley	102.96	128.54	276.58	267.55	250.69	597.78
Grand Forks	109.87	161.58	228.83	265.26	299.34	385.31
Grant	121.53	172.50	322.20	382.52	373.99	368.92
Griggs	161.85	265.07	370.70	374.70	404.42	460.69
Hettinger	113.69	188.76	289.38	297.83	294.35	422.90
Kidder	92.27	184.06	286.31	344.40	373.42	424.34
LaMoure	90.05	174.78	270.14	328.84	354.44	367.40
Logan	114.74	202.37	293.05	295.46	402.05	375.79
McHenry	108.94	220.01	299.32	356.11	392.43	494.97
McIntosh	114.14	242.42	291.15	312.47	324.80	348.33
McKenzie	104.89	195.93	272.80	278.98	340.03	409.26
McLean	129.36	192.62	281.64	318.26	335.68	381.22
Mercer	121.47	180.69	283.74	293.26	348.21	371.16
Morton	137.93	187.60	265.13	299.38	348.28	332.90

TABLE 14.14--Continued

County	1970	1975	1979	1980	1981	1982
Mountrail	$ 99.68	$165.56	$234.82	$271.51	$288.75	$356.53
Nelson	152.58	202.98	318.88	381.94	435.99	472.63
Oliver	123.89	211.29	226.89	367.49	282.38	368.05
Pembina	80.90	131.46	162.61	174.56	241.18	304.17
Pierce	103.62	201.00	319.29	345.79	405.17	445.93
Ramsey	105.79	166.59	281.98	316.62	344.13	370.59
Ransom	131.93	239.58	296.94	375.71	350.61	441.66
Renville	101.36	210.60	262.47	250.26	236.05	326.38
Richland	100.51	190.37	262.24	280.41	331.14	368.73
Rolette	99.78	137.69	195.41	215.22	267.29	269.60
Sargent	89.08	242.81	274.21	340.17	355.47	457.86
Sheridan	131.93	212.50	230.73	279.47	296.61	369.47
Sioux	88.66	218.62	198.96	236.41	302.71	311.73
Slope	155.68	272.23	487.68	509.34	569.12	733.92
Stark	120.22	213.73	328.37	385.16	451.63	485.77
Steele	131.60	247.65	297.25	339.88	378.40	379.07
Stutsman	107.01	159.45	209.40	264.07	286.75	307.18
Towner	125.45	134.51	254.80	314.06	298.80	403.76
Traill	125.34	212.48	310.15	383.72	433.31	484.60
Walsh	110.75	158.66	252.50	293.02	328.99	373.41
Ward	106.22	157.62	236.60	278.28	275.89	362.46
Wells	136.96	205.76	337.69	366.92	427.63	441.44
Williams	96.70	142.21	221.42	279.33	316.59	389.59

SOURCE: Social Service Board of North Dakota, Statistics, various years.

TABLE 14.16

FOOD STAMP PROGRAM: VALUE OF STAMPS ISSUED BY NORTH DAKOTA COUNTY, FISCAL YEARS, 1979-1982

County	Value of Stamps Issued 1979	 1980	 1981	 1982
NORTH DAKOTA	$6,892,010	$8,539,915	$11,493,011	$12,574,601
Adams	7,449	7,599	19,554	27,221
Barnes	105,350	120,690	170,147	192,026
Benson	162,842	293,165	405,008	440,961
Billings	17,149	13,629	14,677	19,936
Bottineau	122,704	131,344	133,762	148,226
Bowman	19,288	17,935	27,695	31,716
Burke	26,303	27,079	44,549	41,732
Burleigh	437,604	546,795	840,758	958,335
Cass	632,529	849,890	1,159,846	1,311,824
Cavalier	80,591	99,052	124,922	136,751
Dickey	110,721	105,270	139,536	154,094
Divide	17,964	16,692	19,544	22,732
Dunn	18,704	25,853	39,786	51,864
Eddy	49,763	49,379	59,337	85,125
Emmons	152,628	123,762	161,788	174,213
Foster	42,633	43,798	64,610	69,442
Golden Valley		See Billings County		
Grand Forks	615,169	909,568	1,268,522	1,216,234
Grant	83,580	101,499	148,581	174,972
Griggs	41,975	42,292	57,239	74,149
Hettinger	52,823	36,689	61,951	47,710
Kidder	69,787	73,437	96,047	105,124
LaMoure	75,791	82,248	98,437	117,079
Logan	79,579	84,938	136,560	155,478
McHenry	130,709	125,582	170,456	198,592
McIntosh	83,199	80,151	118,263	127,618
McKenzie	80,436	138,155	190,20	259,920
McLean	108,191	150,690	207,970	215,587
Mercer	69,963	85,204	139,840	180,849
Morton	309,999	319,822	503,006	568,615

TABLE 14.16--Continued

County	Value of Stamps Issued			
	1979	1980	1981	1982
Mountrail	$ 53,437	$ 71,423	$ 118,703	$ 199,698
Nelson	24,525	21,965	29,377	34,859
Oliver	14,022	15,770	30,791	32,025
Pembina	184,314	215,747	264,013	258,326
Pierce	87,036	91,005	128,131	137,384
Ramsey	106,296	145,789	200,706	219,752
Ransom	75,640	104,911	128,898	125,280
Renville	11,759	13,231	17,661	19,379
Richland	225,109	282,921	46,556	360,627
Rolette	393,517	722,858	879,549	982,646
Sargent	67,275	65,331	100,222	104,185
Sheridan	64,233	66,081	79,118	81,398
Sioux	36,467	70,076	144,583	301,298
Slope		See Bowman County		
Stark	150,198	160,246	199,265	240,873
Steele	14,746	16,248	21,906	28,313
Stutsman	321,817	321,635	435,795	479,361
Towner	47,033	36,649	65,699	77,376
Traill	116,003	149,043	198,615	211,474
Walsh	290,954	343,632	345,310	290,115
Ward	549,829	658,440	847,259	788,555
Wells	51,845	64,276	80,773	77,694
Williams	200,532	200,431	207,470	215,858

SOURCE: Social Service Board of North Dakota, Statistics, various years.

TABLE 14.15

FOOD STAMP PROGRAM: NORTH DAKOTA HOUSEHOLDS AND PERSONS RECEIVING BY COUNTY, MONTHLY AVERAGE FOR FISCAL YEARS, 1979-1982

County	Households Receiving				Persons Receiving			
	1979	1980	1981	1982	1979	1980	1981	1982
NORTH DAKOTA	5,741	8,266	10,040	10,177	16,648	23,507	28,900	29,509
Adams	9	11	20	27	15	19	46	66
Barnes	106	142	175	175	265	351	434	460
Benson	118	229	275	274	447	863	1,085	1,076
Billings	14	13	12	15	39	37	37	46
Bottineau	97	129	126	126	299	374	362	373
Bowman	19	26	34	33	47	53	74	77
Burke	28	33	47	41	68	82	127	116
Burleigh	393	584	739	790	1,082	1,526	2,015	2,143
Cass	574	93	1,146	1,157	1,470	2,218	2,829	2,798
Cavalier	71	95	115	108	203	282	315	332
Dickey	93	108	130	133	258	297	369	404
Divide	17	21	24	24	39	41	47	54
Dunn	21	29	40	44	46	80	107	123
Eddy	46	58	67	78	120	137	155	196
Emmons	90	87	105	100	343	286	362	344
Foster	39	53	64	66	114	149	182	180
Golden Valley		See Billings				See Billings		
Grand Forks	505	886	1,164	1,083	1,444	2,536	3,297	2,959
Grant	65	84	102	110	185	255	315	336
Griggs	39	47	54	61	102	117	134	160
Hettinger	43	43	55	46	122	102	142	123
Kidder	57	66	78	77	163	183	236	238
LaMoure	69	76	84	89	167	189	227	254
Logan	46	57	80	90	171	189	281	292
McHenry	104	116	141	148	296	319	399	434

TABLE 14.15--Continued

County	Households Receiving				Persons Receiving			
	1979	1980	1981	1982	1979	1980	1981	1982
McIntosh	71	86	109	113	189	217	274	289
McKenzie	54	82	101	140	185	299	351	553
McLean	98	143	173	178	271	455	500	522
Mercer	59	78	117	129	161	225	356	393
Morton	246	321	421	442	735	881	1,222	1,315
Mountrail	49	77	109	155	136	203	290	461
Nelson	29	39	42	43	66	72	84	95
Oliver	12	17	24	23	34	42	72	70
Pembina	149	184	209	200	445	559	666	592
Pierce	60	68	89	92	213	233	302	307
Ramsey	112	174	212	220	284	437	531	580
Ransom	64	92	106	109	171	261	299	274
Renville	10	16	20	21	29	45	45	49
Richland	176	230	276	273	522	684	815	800
Rolette	279	581	640	649	1,086	2,190	2,351	2,449
Sargent	62	78	101	101	155	186	266	269
Sheridan	48	57	64	62	142	154	178	174
Sioux	25	54	86	172	109	232	410	784
Slope		See Bowman				See Bowman		
Stark	134	176	201	229	379	458	525	598
Steele	21	28	33	32	38	50	68	72
Stutsman	323	413	472	482	775	920	1,102	1,127
Towner	42	50	61	67	115	129	172	193
Traill	68	99	130	142	255	323	418	442
Walsh	164	217	229	196	631	782	743	610
Ward	481	712	852	735	1,406	2,033	2,572	2,211
Wells	57	79	83	82	130	211	205	194
Williams	185	219	203	195	481	541	506	502

SOURCE: Social Service Board of North Dakota, Statistics, variour years.

TABLE 14.17

NORTH DAKOTA UNEMPLOYMENT INSURANCE STATISTICS,* SELECTED YEARS, 1940-1981

Year	Average Weekly Insured Unemployment	Subject Employers	Covered Employment	Initial Claims	New Claims Disposed of	Number Allowed Benefits
1940	NA%	1,238	27,381	14,915	9,910	6,727
1945	NA	1,529	29,665	1,476	641	470
1950	4.0	2,518	46,348	11,564	9,805	7,545
1955	5.2	3,116	50,663	15,201	12,176	9,656
1960	5.6	5,842	75,187	23,588	16,578	12,389
1965	4.1	6,346	86,916	19,880	15,098	11,266
1970	3.0	6,565	96,950	19,175	11,892	8,956
1975	2.9	15,033	158,640	30,107	21,282	16,075
1976	3.3	15,673	168,007	43,249	31,254	19,280
1977	2.9	16,015	174,175	47,622	35,180	21,497
1978	2.4	17,999	205,226	38,821	28,763	19,086
1979	2.6	18,336	214,836	41,083	26,849	22,094
1980	3.3	18,366	215,840	50,253	31,000	26,759
1981	2.9	18,390	220,051	44,418	27,033	26,119

Year	Claiments Exhausting Benefits	Number of Weekly Benefit Claims	Average Weekly Duration of Compensated Unemployment	Total Benefits Paid	Average Weekly Benefit
1940	3,337	89,605	11.7	$ 619,766	$ 9.40
1945	31	3,236	6.7	22,179	12.57
1950	1,668	111,203	13.1	1,984,830	20.05
1955	2,481	138,615	13.9	3,206,088	25.50
1960	2,096	171,607	14.4	4,882,603	28.45
1965	1,989	145,475	14.8	5,652,426	38.85
1970	1,212	98,029	13.1	4,368,501	44.56
1975	3,445	194,932	15.1	11,801,797	60.54
1976	3,844	209,177	15.4	14,654,464	70.06
1977	4,796	267,054	13.8	21,829,482	81.74
1978	4,301	252,989	13.7	21,999,614	86.96
1979	4,522	254,893	14.8	22,893,175	89.81
1980	8,206	323,076	13.9	34,938,714	108.14
1981	8,250	293,290	15.2	34,347,976	117.11

SOURCE: North Dakota Employment Security Bureau.

* Excludes UCFE and UCX programs.

TABLE 14.18

NORTH DAKOTA WORKMEN'S COMPENSATION: NUMBER OF CLAIMS BY GENERAL CAUSE, SELECTED BIENNIA, 1949-50 THROUGH 1980-81

General Cause	Number of Claims for Biennium Ending June 30 1950	1955	1960	1964
Machinery	1,673	3,236	2,148	2,740
Boiler & Steam Pres. Oper.	16	80	7	2
Vehicles	1,108	1,377	1,205	1,504
Explosives, Elec. Fires, etc.	1,166	1,452	1,287	1,794
Poisonous Substances	613	466	205	74
Falls of Persons	3,083	2,755	4,531	4,641
Stepping on or Striking against objs.	1,345	1,516	1,567	2,045
Falling Objects	374	495	570	843
Objects Handled	9,638	8,867	11,615	11,551
Hand Tools	4,150	2,818	1,846	2,585
Animals	149	234	228	248
Miscellaneous	1,913	2,613	3,112	3,064
Total	25,228	25,909	28,321	31,091
	1970	1975	1979	1981
Machinery	2,891	2,842	5,016	4,504
Boiler & Steam Pres. Oper.	1	5	10	6
Vehicles	1,561	2,037	2,377	2,518
Explosives, Elec. Fires, etc.	1,541	1,329	1,569	1,650
Poisonous Substances	75	412	473	588
Falls of Persons	4,945	5,148	7,199	6,709
Stepping on or Striking Against objs.	1,673	2,683	2,368	3,533
Falling Objects	740	1,780	1,055	1,419
Objects Handled	11,963	12,416	15,934	16,354
Hand Tools	2,279	3,131	33,553	3,628
Animals	273	304	243	257
Miscellaneous	2,212	3,915	4,578	4,681
Total	30,154	36,002	44,375	45,847

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years.

TABLE 14.19

NORTH DAKOTA WORKMEN'S COMPENSATION: TOTAL AWARDS BY GENERAL CAUSE, SELECTED BIENNIA*, 1949-50 THROUGH 1980-81

General Cause	Total Awards for Biennium Ending June 30			
	1950	1955	1960	1964
Machinery	$ 148,120	$ 294,245	$ 559,611	$ 488,115
Boiler & Steam Pres. Oper.	388	1,996	154	319
Vehicles	599,384	606,148	673,500	1,029,210
Explosives, Elec. Fires, etc.	134,099	190,131	361,413	237,498
Poisonous Substances	34,149	50,280	28,057	75,273
Falls of Persons	353,201	550,758	670,725	1,171,263
Stepping on or Striking Against objs.	40,305	50,558	64,055	99,882
Falling Objects	92,408	80,568	98,168	297,198
Objects Handled	369,612	501,215	772,666	1,511,321
Hand Tools	79,327	99,205	85,018	172,128
Animals	8,731	12,808	12,265	21,347
Miscellaneous	81,940	195,501	363,908	646,352
Total	1,941,663	2,633,410	3,689,539	5,749,907

	1970	1975	1979	1981
Machinery	$ 523,293	$ 605,775	$ 2,649,586	$ 2,714,253
Boiler & Steam Pres. Oper.	14	100	4,226	688
Vehicles	1,898,406	2,465,880	5,191,171	3,958,290
Explosives, Elec. Fires, etc.	605,383	442,304	841,176	1,256,354
Poisonous Substances	17,094	47,660	279,376	255,437
Falls of Persons	1,541,123	2,149,110	4,057,943	4,790,950
Stepping on or Striking Against objs.	101,842	206,147	323,402	625,686
Falling Objects	151,553	489,485	536,109	1,298,041
Objects Handled	1,947,912	3,033,595	5,814,429	7,220,877
Hand Tools	126,580	306,587	468,148	825,586
Animals	33,791	77,176	63,745	87,303
Miscellaneous	451,105	884,012	2,016,378	1,413,754
Total	7,398,006	10,707,831	22,245,629	24,417,219

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years, and calculations.

* Columns may not add to total due to rounding.

15.00

EDUCATION

Education is among the most important factors influencing a community's economic and social development. In turn, the level of educational development reflects the overall prosperity of the community. This section contains information on North Dakota's educational establishment, including data on educational attainment of the population, school enrollments, program completions, educational personnel, and school finances.

The principal sources of information on elementary and secondary schools are the biennial statistical reports, the annual Educational Directory, and other publications of the North Dakota Department of Public Instruction. Most data on higher education come from the State Board of Higher Education and the North Dakota Higher Education Facilities Commission. Additional data comparing North Dakota with other states come from the U.S. Department of Health, Education, and Welfare's National Center for Educational Statistics through its Digest of Educational Statistics and Statistics of Public Elementary and Secondary Day Schools.

The formal educational establishment described in this section represents only a portion of all educational activities in the state. Numerous private trade schools, institutional training programs, and community-based special programs round out the educational scene. Unfortunately, information on these activities is fragmented and is therefore not included here.

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TABLE 15.01

PERSONS 18 YEARS AND OVER BY YEARS OF SCHOOL COMPLETED, 1980

County	Less than 4 Years of High School	4 Years of High School	1 to 3 Years of College	4 Years of College	5 or More Years of College
NORTH DAKOTA	137,310 (29.8%)	157,905 (34.2%)	105,817 (23.0%)	38,880 (8.4%)	21,141 (4.6%)
Adams	770	993	549	160	87
Barnes	3,052	3,515	2,398	846	436
Benson	2,164	1,637	841	302	108
Billings	270	287	137	57	9
Bottineau	2,417	2,208	1,384	490	161
Bowman	875	1,066	632	192	97
Burke	1,043	968	504	185	57
Burleigh	8,111	12,816	10,173	4,920	2,436
Cass	12,407	21,640	19,071	7,262	4,836
Cavalier	1,998	1,783	1,073	393	140
Dickey	1,822	1,594	1,165	351	168
Divide	1,024	837	498	162	69
Dunn	1,193	1,080	613	194	33
Eddy	1,069	747	510	193	60
Emmons	2,087	1,072	454	226	92
Foster	1,174	1,037	656	230	108
Golden Valley	513	495	391	143	89
Grand Forks	9,124	16,927	13,169	4,797	3,720
Grant	1,416	791	489	169	55
Griggs	1,031	935	547	175	64
Hettinger	1,274	929	527	188	87
Kidder	1,218	818	373	161	69
LaMoure	1,836	1,475	828	300	120
Logan	1,388	609	325	85	34
McHenry	2,368	1,777	973	314	117
McIntosh	2,186	720	511	160	85
McKenzie	1,660	1,686	1,008	258	143
McLean	3,116	2,881	1,636	658	242
Mercer	2,480	2,119	1,256	421	185
Morton	6,092	6,111	2,963	1,194	526

TABLE 15.01--Continued

County	Less than 4 Years of High School	4 Years of High School	1 to 3 Years of College	4 Years of College	5 or More Years of College
Mountrail	1,948	1,815	1,035	327	152
Nelson	1,452	1,374	734	242	105
Oliver	682	587	275	82	18
Pembina	2,741	2,321	1,466	590	228
Pierce	1,832	1,202	805	297	36
Ramsey	2,843	3,169	2,144	745	349
Ransom	1,728	1,727	885	319	151
Renville	807	895	570	158	82
Richland	4,119	5,217	3,859	809	372
Rolette	3,589	2,009	1,067	416	186
Sargent	1,324	1,448	761	201	82
Sheridan	1,082	550	280	90	43
Sioux	845	728	267	102	50
Slope	275	223	194	77	6
Stark	5,045	5,588	3,575	1,218	755
Steele	731	733	482	208	51
Stutsman	5,675	6,346	3,137	1,494	690
Towner	1,032	988	614	235	68
Traill	2,219	2,107	1,869	611	292
Walsh	4,984	3,289	1,816	662	255
Ward	8,984	16,271	9,770	3,452	1,962
Wells	2,145	1,616	808	300	124
Williams	4,050	6,149	3,750	1,059	651

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, 1980, computerized material, Census Users Bureau, University of North Dakota.

TABLE 15.02

NORTH DAKOTA'S RANK AMONG THE STATES IN VARIOUS EDUCATIONAL CATEGORIES

Category	Rank
Average Daily Attendance as Percent of Average Daily Membership, 1979-80 (98.2%)	2
Pupils Per Teacher in Public Elementary and Secondary Schools, Fall 1979 (15.6 to 1)	48
Estimated Average Salaries of Classroom Teachers in Public Schools, 1979-80 ($13,100)	43
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SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years; National Center for Education Statistics, Statistics of Public Elementary and Secondary Day Schools, 1979 and Digest of Educational Statistics, 1981.

TABLE 15.03

PER CAPITA DIRECT EDUCATIONAL EXPENDITURES OF STATE AND LOCAL GOVERNMENTS AS A PERCENT OF PER CAPITA INCOME, THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1977-78

State	Per Capita Income	Per Capita Educational Expenditures	Percent of Per Capita Income
United States	$7,043	$507.90	7.2%
NORTH DAKOTA	5,947	553.50	9.3
South Dakota	5,868	473.92	8.1
Montana	6,020	641.48	10.7
Nebraska	6,661	503.56	7.6
Minnesota	7,106	577.79	8.1
Wyoming	7,647	720.43	9.4

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1981.

TABLE 15.04

ESTIMATED EXPENDITURE PER PUPIL IN AVERAGE DAILY ATTENDANCE IN PUBLIC ELEMENTARY AND SECONDARY DAY SCHOOLS, THE UNITED STATES, NORTH DAKOTA, AND SELETED OTHER STATES, 1978-79

State	Total	Current*	Capital Outlay	Interest on School Debt
United States	$2,210	$2,021	$139	$50
NORTH DAKOTA	1,977	1,805	150	22
South Dakota	1,699	1,677	2	20
Montana	2,215	2,178	0	37
Nebraska	2,198	1,967	176	56
Minnesota	2,368	2,147	161	61
Wyoming	2,759	2,179	488	92

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1981.

* Includes expenditures for day schools only; excludes adult education, community colleges, and community services.

TABLE 15.05

REVENUE RECEIPTS OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS BY SOURCE, THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, 1978-79

State	Total ($000)	Federal		State		Local and Other*	
		Amount ($000)	Percent of Total	Amount ($000)	Percent of Total	Amount ($000)	Percent of Total
United States	$88,056,997	$8,642,978	9.8%	$40,245,891	45.7%	$39,168,128	44.5%
NORTH DAKOTA	240,953	25,733	10.7	106,640	44.3	108,580	45.1
South Dakota	252,155	38,630	15.3	47,525	18.8	166,000	65.8
Montana	361,234	39,196	10.9	182,139	50.4	139,899	38.7
Nebraska	607,583	47,420	7.8	95,110	15.7	465,053	76.5
Minnesota	1,962,262	111,231	5.7	1,119,123	57.0	731,908	37.3
Wyoming	214,139	14,603	6.8	62,656	29.3	136,880	63.9

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1981.

* Includes revenue receipts from local and intermediate sources, gifts, and tuition and fees from patrons.

TABLE 15.06

AVERAGE ANNUAL SALARY OF INSTRUCTIONAL STAFF,* PUBLIC ELEMENTARY AND SECONDARY DAY SCHOOLS, THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1929-30 TO 1979-80

State	1929-30	1949-50	1959-60	1969-70	1978-79	1979-80
United States	$1,420	$3,010	$5,174	$8,840	$15,615	$16,813
NORTH DAKOTA	900	2,324	3,695	6,900	12,344	13,544
South Dakota	956	2,064	3,725	6,700	12,100	12,870
Montana	1,215	2,962	4,425	8,100	14,024	15,080
Nebraska	1,077	2,229	3,876	7,855	13,113	14,236
Minnesota	1,251	3,013	5.275	9,957	16,181	17,310
Wyoming	1,239	2,798	4,937	8,532	14,939	16,830

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, various years.

* Includes supervisors, principals, classroom teachers, and other instructional staff.

TABLE 15.07

NUMBER OF NORTH DAKOTA SCHOOL DISTRICTS, SCHOOLS, GRADE SCHOOL AND HIGH SCHOOL ENROLLMENTS, AVERAGE PER PUPIL INSTRUCTIONAL COSTS AND AVERAGE SALARIES, SELECTED YEARS, 1946-1981

Year	No. of Dist.	No. of Schools	Grade Enrollment	H.S. Enrollment	Average Salary	Average Cost Per Pupil
1946	2,271	3,588	87,173	27,418	$ 1,417	$ 123.06
1950	2,250	3,272	87,636	26,852	2,162	196.36
1955	2,055	2,964	94,832	29,776	2,912	247.65
1960	1,351	1,763	99,948	35,600	4,121	338.55
1965	627	815	111,737	43,131	5,143	405.41
1970	435	619	106,368	47,353	7,067	651.22
1974	364	552	96,111	49,620	8,841	830.02
1975	360	545	91,817	49,383	9,677	937.40
1976	351	552	90,892	49,713	10,689	1,096.53
1977	344	765	88,273	49,749	10,688	1,211.14
1978	341	773	86,217	47,963	12,098	1,376.34
1979	339	734	80,244	46,584	12,955	1,543.81
1980	327	576	78,588	44,204	13,839	1,741.01
1981	326	530	71,176	38,129	15,685	1,956.53

SOURCE: North Dakota Dept. of Public Instruction, North Dakota Educational Directory, 1980-1981; and Biennial Report, various years.

TABLE 15.08

TAXABLE VALUATION AND VALUATION OF SCHOOL PROPERTY IN NORTH DAKOTA SCHOOL DISTRICTS, SELECTED YEARS, 1946-1981

Year	Taxable Valuation	Valuation School Property
1946	$692,334,181	$ 38,598,723
1950	548,769,939	56,527,000
1955	631,122,539	95,055,335
1960	674,888,882	136,079,817
1965	698,567,697	188,616,378
1970	721,755,008	261,506,456
1974	658,235,947	343,029,083
1975	671,209,499	352,615,402
1976	714,225,794	345,789,528
1977	735,673,642	408,606,210
1978	765,244,383	438,527,128
1979	803,767,456	492,078,730
1980	830,442,532	530,617,053
1981	869,408,483	524,174,060

SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years and Superintendent of Public Instruction, 45th Statistical Report, 1977-1979.

TABLE 15.11

NORTH DAKOTA SCHOOL CENSUSES, CHILDREN BY COUNTY: 1931, 1941, 1951 AND 1961

County	1931	1941	1951	1961
NORTH DAKOTA	224,120	189,938	155,571	272,765
Adams	1,993	1,459	1,361	1,931
Barnes	6,017	4,884	3,850	6,891
Benson	4,220	3,664	2,780	4,315
Billings	1,218	759	508	714
Bottineau	4,491	3,701	3,218	4,679
Bowman	1,680	1,036	920	1,862
Burke	3,224	2,243	1,736	2,454
Burleigh	5,436	6,163	6,013	15,261
Cass	16,904	17,119	12,046	26,840
Cavalier	4,515	4,155	3,290	4,201
Dickey	3,478	2,801	2,277	3,299
Divide	3,268	1,932	1,511	2,190
Dunn	3,511	2,640	2,007	2,977
Eddy	2,037	1,635	1,270	1,901
Emmons	4,718	4,350	2,959	4,295
Foster	2,059	1,788	1,370	2,449
Golden Valley	1,323	1,048	942	1,432
Grand Forks	9,795	9,381	8,637	20,383
Grant	3,827	2,803	2,192	2,602
Griggs	2,219	1,582	1,240	2,018
Hettinger	3,154	2,610	2,076	3,261
Kidder	2,900	2,065	1,705	2,313
LaMoure	3,878	3,114	2,406	4,016
Logan	3,051	2,554	1,933	2,364
McHenry	5,458	4,092	3,537	4,997
McIntosh	3,560	3,035	2,154	3,216
McKenzie	3,418	2,306	1,736	3,272
McLean	6,136	4,915	5,177	6,019
Mercer	3,389	3,274	2,422	2,805
Morton	7,745	6,740	5,393	9,957

TABLE 15.11--Continued

County	1931	1941	1951	1961
Mountrail	4,611	3,009	2,371	4,288
Nelson	3,410	2,626	2,044	3,129
Oliver	1,568	1,241	898	1,223
Pembina	4,418	4,419	3,557	5,669
Pierce	3,237	2,874	2,531	3,490
Ramsey	4,888	4,336	3,462	5,671
Ransom	3,627	2,835	2,083	3,143
Renville	2,261	1,398	1,470	2,149
Richland	6,372	5,713	4,662	7,548
Rolette	3,509	3,695	2,982	5,374
Sargent	2,923	2,388	2,068	2,704
Sheridan	2,694	1,979	1,486	1,511
Sioux	1,641	1,446	1,173	2,089
Slope	1,377	836	633	609
Stark	5,372	5,157	4,798	8,947
Steele	2,076	1,758	1,338	1,803
Stutsman	7,570	6,382	5,348	10,120
Towner	2,677	1,935	1,577	2,253
Traill	3,626	3,218	2,771	4,408
Walsh	6,619	6,018	5,036	7,216
Ward	10,111	9,005	8,023	20,692
Wells	4,281	3,478	2,698	3,812
Williams	6,580	4,344	3,896	10,003

SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years.

TABLE 15.13

PERSISTENCE TO GRADUATION IN NORTH DAKOTA PUBLIC HIGH SCHOOLS, SELECTED YEARS, 1925-1979

Year Ending June 30	Fresh.	Soph.	Juniors	Seniors	Graduates	Percent*	Percent**
1925	8,694	6,165	4,979	4,305	3,857	44.87%	46.94%
1930	10,271	7,652	6,439	5,219	4,995	54.05	51.23
1935	10,261	8,125	7,498	6,797	6,450	63.40	53.93
1940	9,982	8,806	7,815	7,292	6,880	65.34	58.40
1945	8,440	7,179	6,108	5,427	5,182	54.52	48.20
1950	8,138	6,859	6,164	5,691	5,502	68.78	65.32
1955	8,780	7,806	6,986	6,204	6,001	74.39	70.18
1960	9,916	9,217	8,851	7,616	7,328	78.59	75.66
1965	11,578	11,103	10,437	9,945	9,467	80.84	83.12
1970	12,218	11,808	11,772	11,419	10,850	85.81	89.82
1971	12,780	12,007	11,396	11,261	11,182	89.76	95.77
1972	12,919	12,493	11,521	10,904	10,540	87.12	92.54
1973	12,934	12,720	11,919	11,037	10,632	87.02	91.11
1974	13,208	12,713	12,031	11,452	11,146	87.21	91.15
1975	12,929	13,021	12,027	11,226	10,750	83.21	87.55
1976	13,108	12,592	12,258	11,476	10,771	83.27	87.34
1977	12,781	12,945	12,045	11,653	11,653	88.23	91.19
1978	12,346	12,322	12,034	11,261	10,725	82.95	86.45
1979	11,672	12,076	11,579	11,287	10,692	81.57	86.43

SOURCE: North Dakota Dept. of Public Instruction, Forty-Fourth Statistical Report.

* Percent graduates are of number enrolled as freshmen four years prior.

** Percent graduates are of number graduated from eighth grade four years prior.

TABLE 15.14

CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS BY EXPENDITURE CATEGORY, 1980-81

Enrollment in High School	Number of Districts	Expenditure Category				
		Administration	Instruction	Attendance Services	Health Services	Pupil Transportation
550 and up	11	$ 54.57	$1,337.72	$ 1.15	$ .79	$ 49.21
500-549	0	------	------	---	----	------
400-499	1	86.19	1,389.75	4.06	----	169.35
300-399	6	69.38	1,210.67	.30	2.15	183.41
200-299	13	84.61	1,198.35	.79	.80	203.73
150-199	23	113.31	1,247.85	.26	.72	246.11
100-149	44	122.79	1,219.57	1.43	3.15	236.25
75-99	31	154.79	1,314.70	1.07	1.09	287.20
50-74	45	194.74	1,439.95	.26	1.13	300.39
25-49	48	218.79	1,552.96	.01	.37	355.54
24 or less	11	222.08	1,667.81	.27	.44	315.55
H. S. Total	233	95.90	1,313.55	.95	1.17	158.32
Elem. Total	48	113.83	1,265.88	---	1.11	451.07
Rural Total	47	495.99	2,170.10	22.90	.14	452.76
Grand Total	328	99.72	1,319.59	1.11	1.16	168.06

Enrollment in High School	Expenditure Category				
	Plant Operation	Plant Maintenance	Fixed Charges	Average Daily Membership	Cost Per Pupil
550 and up	$195.20	$60.24	$260.86	$ 52,062.44	$1,959.75
500-549	------	-----	------	---------	--------
400-499	260.55	-----	192.77	1,351.54	2,104.67
300-399	165.09	60.41	242.46	5,544.27	1,933.87
200-299	193.51	25.12	198.53	8,841.60	1,905.44
150-199	211.60	42.84	213.19	10,781.04	2,075.89
100-149	207.83	52.25	222.47	14,853.24	2,065.74
75-99	254.31	69.80	222.91	7,234.61	2,305.87
50-74	291.81	64.03	254.22	7,183.52	2,546.52
25-49	298.76	52.89	288.51	4,844.61	2,767.83
24 or less	349.70	65.74	338.34	721.01	2,959.92
H. S. Total	212.88	54.66	243.56	113,417.88	2,081.01
Elem. Total	244.97	73.06	236.96	2,905.53	2,386.87
Rural Total	112.65	67.07	364.40	989.31	3,686.00
Grand Total	212.83	55.22	244.42	117,312.72	2,102.12

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, March 1982.

TABLE 15.09

FALL SCHOOL ENROLLMENTS BY COUNTY: 1930, 1940, 1950 AND 1960*

County	1930		1940		1950		1960	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
NORTH DAKOTA	137,511	31,039	103,734	33,653	88,617	27,260	103,380	37,086
Adams	1,330	400	928	321	813	299	802	379
Barnes	3,438	1,064	2,641	991	2,122	735	2,609	899
Benson	2,550	595	2,008	516	1,572	407	1,510	463
Billings	792	52	483	27	291	34	256	12
Bottineau	2,821	766	2,112	744	1,890	553	2,012	765
Bowman	1,066	356	638	226	632	235	808	358
Burke	2,129	453	1,338	432	1,126	348	1,066	465
Burleigh	3,352	745	3,018	973	3,004	825	4,857	1,581
Cass	8,382	2,417	6,555	2,884	6,835	2,155	10,671	3,306
Cavalier	2,856	646	2,477	573	2,001	468	1,528	563
Dickey	2,339	464	1,703	510	1,423	460	1,428	599
Divide	2,019	462	1,070	362	860	289	884	327
Dunn	2,430	292	1,507	310	1,198	240	1,028	366
Eddy	1,280	328	849	301	765	211	725	229
Emmons	3,216	277	2,807	509	1,648	428	1,316	366
Foster	1,374	394	1,103	414	902	292	1,035	415
Golden Valley	835	272	608	255	572	209	630	273
Grand Forks	5,161	1,542	4,500	1,952	4,377	1,442	7,625	2,054
Grant	2,689	324	1,791	384	1,526	325	1,138	344
Griggs	1,394	349	911	358	793	222	920	306
Hettinger	2,056	288	1,505	375	1,015	294	1,014	412
Kidder	2,036	327	1,397	342	1,155	296	992	381
LaMoure	2,524	597	1,924	674	1,609	572	1,762	687
Logan	2,187	165	1,725	244	1,214	192	764	313
McHenry	3,109	889	2,545	789	2,235	737	2,255	888
McIntosh	2,484	305	1,889	508	1,335	380	1,353	522
McKenzie	2,326	363	1,365	332	1,196	215	1,426	362
McLean	3,946	765	2,721	788	2,651	737	2,630	1,134

TABLE 15.09--Continued

County	1930		1942		1950		1960	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
Mercer	2,472	260	2,115	385	1,532	421	1,164	544
Morton	3,504	976	3,174	1,029	2,100	972	2,684	1,436
Mountrail	2,973	762	1,853	661	1,531	487	1,989	706
Nelson	2,106	651	1,439	663	1,223	525	1,353	576
Oliver	1,111	21	785	73	557	69	456	116
Pembina	2,926	670	2,731	926	2,355	756	2,487	924
Pierce	1,986	297	1,828	375	1,369	369	1,143	540
Ramsey	3,005	880	2,256	989	2,138	655	1,949	797
Ransom	2,257	675	1,549	694	1,237	524	1,404	557
Renville	1,350	486	808	279	963	264	944	385
Richland	3,603	884	3,038	1,189	2,224	926	2,579	1,087
Rolette	2,175	320	1,565	379	1,166	320	1,334	447
Sargent	1,983	469	1,444	519	1,337	435	1,224	491
Sheridan	1,807	213	1,293	243	944	209	655	286
Sioux	1,063	118	865	201	605	146	478	166
Slope	864	142	494	54	336	35	212	16
Stark	2,745	498	2,578	840	2,069	899	2,399	1,146
Steele	1,458	291	1,076	256	821	241	801	272
Stutsman	5,234	971	3,616	1,124	3,068	960	3,919	1,429
Towner	1,727	428	1,064	379	1,036	288	980	398
Traill	2,363	705	1,817	791	1,741	666	1,838	744
Walsh	3,947	659	3,182	794	2,669	630	2,989	797
Ward	5,876	1,311	4,413	1,833	4,707	1,468	7,829	2,396
Wells	2,730	604	2,021	685	1,457	512	1,355	649
Williams	4,125	1,311	2,612	1,198	2,645	883	4,171	1,412

SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years.

* Data represent number of children of age, birth-20 years, per county.

TABLE 15.10

FALL ENROLLMENTS IN PUBLIC AND NON-PUBLIC SCHOOLS BY COUNTY, 1970 AND 1981

County	1970				1981			
	Public		Non-Public		Public		Non-Public	
	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary
Adams	613	372	-----	-----	384	242	-----	---
Barnes	2,245	1,140	208	27	1,494	793	113	5
Benson	1,417	608	-----	-----	833	597	134	---
Billings	191	------	-----	-----	121	-----	-----	---
Bottineau	1,442	784	-----	-----	1,341	587	-----	---
Bowman	779	439	-----	-----	619	353	-----	---
Burke	857	391	22	12	523	266	12	17
Burleigh	6,329	2,524	1,195	536	6,895	2,891	700	627
Cass	11,108	4,869	1,582	770	9,794	4,381	1,138	734
Cavalier	1,566	775	213	-----	735	548	160	---
Dickey	1,207	573	18	-----	905	453	13	---
Divide	613	291	-----	-----	343	184	-----	---
Dunn	744	358	-----	-----	568	264	-----	---
Eddy	584	286	104	80	326	225	82	---
Emmons	1,409	573	130	134	760	429	70	87
Foster	1,033	457	-----	-----	736	364	-----	---
Golden Valley	427	255	7	-----	321	197	-----	---
Grand Forks	10,256	3,629	470	-----	7,688	3,034	665	17
Grant	772	332	-----	82	561	224	-----	81
Griggs	535	323	-----	-----	423	199	-----	---
Hettinger	796	475	362	249	404	341	227	168
Kidder	757	400	-----	-----	510	252	-----	---
LaMoure	1,383	739	-----	-----	889	445	-----	---
Logan	791	371	-----	-----	402	255	-----	---
McHenry	1,747	929	-----	-----	1,091	607	-----	---
McIntosh	1,102	543	-----	-----	513	364	-----	---
McKenzie	1,090	430	-----	-----	1,150	408	2	---
McLean	2,097	1,165	95	-----	1,874	884	153	43

TABLE 15.10--Continued

County	1970				1981			
	Public		Non-Public		Public		Non-Public	
	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary
Mercer	1,069	505	-----	-----	1,340	599	-----	---
Morton	3,365	1,934	901	-----	2,879	1,799	787	61
Mountrail	1,746	780	-----	-----	1,243	546	-----	---
Nelson	1,144	586	-----	-----	692	431	-----	---
Oliver	385	152	21	-----	343	137	-----	---
Pembina	1,968	974	129	-----	1,500	718	44	---
Pierce	955	505	228	-----	704	455	111	---
Ramsey	2,048	991	492	121	1,542	951	444	29
Ransom	1,193	630	-----	-----	881	429	-----	---
Renville	744	385	-----	-----	564	271	-----	---
Richland	2,835	1,412	307	-----	1,828	989	534	---
Rolette	2,811	900	121	-----	941	548	1,360	525
Sargent	941	444	-----	-----	749	313	-----	---
Sheridan	445	184	12	-----	228	132	5	---
Sioux	831	395	68	-----	302	160	402	215
Slope	128	-----	-----	-----	61	-----	-----	---
Stark	2,584	1,460	1,450	450	2,706	1,477	953	336
Steele	592	275	-----	-----	327	164	-----	---
Stutsman	3,624	1,900	353	16	2,695	1,376	331	23
Towner	803	394	-----	-----	492	252	-----	---
Traill	1,602	816	-----	-----	1,257	580	-----	---
Walsh	2,503	1,244	58	-----	1,786	861	52	92
Ward	9,994	3,697	795	422	7,668	3,175	767	354
Wells	1,506	750	7	106	845	511	-----	---
Williams	3,528	1,916	227	-----	3,301	1,468	201	---
Total	103,234	47,260	9,575	3,005	79,077	38,129	9,460	3,414

SOURCE: North Dakota Dept. of Public Instruction, Educational Directory.

TABLE 15.12

NORTH DAKOTA SCHOOL CENSUSES: CHILDREN BY AGE AND COUNTY, 1971 AND 1981

	Number of Children as of May 31, 1971								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
County	Under 1	1	2	3	4	5	Boys	Girls	
Adams	50	50	67	39	62	63	479	497	1,307
Barnes	207	185	192	212	170	208	1,768	1,697	4,639
Benson	98	110	130	160	134	168	1,130	1,049	2,979
Billings	19	16	12	20	15	19	193	188	482
Bottineau	84	119	140	117	111	124	1,205	1,146	3,046
Bowman	85	58	73	55	66	74	598	589	1,598
Burke	56	57	68	53	69	61	599	625	1,588
Burleigh	587	700	674	697	738	760	5,478	5,305	14,939
Cass	1,076	1,133	1,126	1,092	1,115	1,174	8,616	8,296	23,628
Cavalier	79	106	126	134	118	172	1,287	1,158	3,180
Dickey	100	79	94	97	96	106	923	843	2,338
Divide	57	52	37	49	43	62	502	431	1,233
Dunn	55	45	59	56	61	81	603	571	1,531
Eddy	26	31	41	53	57	60	511	513	1,292
Emmons	105	113	103	118	141	139	1,153	1,169	3,041
Foster	82	77	94	69	78	110	735	749	1,994
Golden Valley	47	29	38	38	39	40	364	327	992
Grand Forks	1,262	1,152	1,066	995	973	1,055	7,054	6,849	20,406
Grant	47	66	65	79	77	81	585	562	1,562
Griggs	43	48	46	35	43	49	463	377	1,104
Hettinger	79	73	88	95	101	113	849	850	2,247
Kidder	55	57	59	59	67	68	609	542	1,516
LaMoure	100	89	94	103	113	128	1,075	1,047	2,749
Logan	43	46	62	53	56	52	607	573	1,492
McHenry	112	128	118	134	159	152	1,354	1,262	3,419
McIntosh	61	60	67	82	86	94	814	775	2,039
McKenzie	100	82	92	97	95	118	848	821	2,253
McLean	149	154	164	158	211	206	1,685	1,589	4,316
Mercer	75	83	96	89	94	107	778	780	2,102
Morton	303	348	339	381	407	428	3,149	2,492	7,847

TABLE 15.12--Continued

County	Number of Children as of May 31, 1971								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Mountrail	110	110	112	104	131	114	1,238	1,206	3,125
Nelson	72	80	90	81	109	103	918	840	2,293
Oliver	20	28	28	21	30	25	295	259	706
Pembina	150	157	178	177	180	173	1,627	1,572	4,214
Pierce	85	87	86	101	103	117	914	845	2,338
Ramsey	130	191	191	189	203	238	1,721	1,691	4,565
Ransom	79	97	94	80	82	86	900	868	2,288
Renville	74	55	62	57	66	63	606	554	1,537
Richland	196	202	206	197	217	223	2,115	2,010	5,366
Rolette	229	236	268	243	278	335	2,153	2,095	5,837
Sargent	78	81	86	79	85	94	731	682	1,916
Sheridan	30	32	40	25	47	46	330	327	877
Sioux	73	70	93	94	111	106	699	653	1,899
Slope	15	14	9	7	13	10	116	117	301
Stark	303	282	357	367	331	412	3,045	2,921	8,018
Steele	28	55	38	56	37	41	454	406	1,115
Stutsman	267	289	312	296	356	343	3,021	2,897	7,781
Towner	55	57	65	59	68	62	594	558	1,841
Traill	131	137	136	138	129	131	1,226	1,191	3,219
Walsh	175	187	224	211	257	242	1,995	1,953	5,244
Ward	868	1,112	1,045	932	1,002	1,118	7,487	7,264	20,828
Wells	94	119	93	119	103	129	1,147	1,122	2,926
Williams	277	305	314	287	339	292	2,828	2,776	7,418
Total	8,781	9,329	9,557	9,339	9,872	10,575	82,185	78,479	218,117

TABLE 15.12--Continued

County	Number of Children as of August 31, 1981								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Adams	42	52	58	42	50	49	323	329	945
Barnes	132	168	183	194	177	172	1,176	1,174	3,376
Benson	63	102	101	91	109	107	764	720	2,057
Billings	29	26	22	21	29	24	125	143	419
Bottineau	116	142	143	132	124	128	853	884	2,522
Bowman	69	65	75	77	79	81	479	453	1,378
Burke	41	45	46	52	47	44	378	380	1,033
Burleigh	649	884	909	911	838	853	5,271	5,044	15,359
Cass	1,057	1,126	1,167	1,202	1,216	1,223	7,857	7,430	22,278
Cavalier	71	92	94	87	112	107	721	657	1,941
Dickey	97	101	109	120	129	112	712	633	2,013
Divide	44	42	63	41	40	41	271	245	787
Dunn	46	76	52	61	64	67	378	378	1,122
Eddy	25	47	44	55	50	40	278	276	815
Emmons	50	60	58	71	73	67	697	683	1,759
Foster	35	68	39	71	65	76	539	473	1,366
Golden Valley	43	49	42	40	48	43	255	222	742
Grand Forks	731	1,099	1,053	972	937	1,001	5,836	5,465	17,094
Grant	48	65	39	64	48	71	437	370	1,142
Griggs	40	45	50	42	51	46	290	283	847
Hettinger	45	65	47	72	69	57	473	518	1,346
Kidder	54	66	61	53	65	57	385	345	1,086
LaMoure	82	104	106	89	92	98	681	672	1,924
Logan	26	37	33	37	39	39	359	282	852
McHenry	69	118	107	106	125	110	855	760	2,250
McIntosh	44	54	60	70	39	56	442	390	1,155
McKenzie	104	147	148	128	129	133	782	738	2,309
McLean	173	239	222	233	242	207	1,431	1,318	4,065
Mercer	119	173	165	160	166	137	920	928	2,768
Morton	333	482	438	474	474	438	2,898	2,574	8,111

TABLE 15.12--Continued

County	Number of Children as of August 31, 1981								
	Age Birth - 5						Age 6-17 Inc.		Total of All 0-17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Mountrail	112	118	110	142	125	140	861	832	2,440
Nelson	62	54	81	89	85	79	554	532	1,536
Oliver	34	47	41	39	34	34	255	186	670
Pembina	128	148	182	189	156	167	1,053	1,089	3,112
Pierce	74	89	95	90	88	85	703	584	1,808
Ramsey	138	175	200	196	186	195	1,338	1,403	3,831
Ransom	73	101	107	110	98	98	627	599	1,813
Renville	36	58	54	41	57	52	425	372	1,095
Richland	185	284	299	290	272	259	1,397	1,369	4,355
Rolette	250	272	282	267	295	265	1,675	1,652	4,958
Sargent	42	78	74	89	68	72	519	500	1,442
Sheridan	24	25	23	28	25	21	177	167	490
Sioux	76	68	91	73	74	98	545	508	1,533
Slope	4	11	13	9	7	7	70	46	167
Stark	378	487	480	484	455	416	2,552	2,476	7,728
Steele	23	44	40	40	43	42	237	224	693
Stutsman	270	348	365	377	343	315	2,113	2,019	6,150
Towner	48	43	49	57	50	49	348	345	989
Traill	111	133	169	144	161	154	950	857	2,679
Walsh	139	169	214	203	207	201	1,357	1,267	3,757
Ward	807	1,091	1,139	993	1,024	971	5,821	5,473	17,319
Wells	68	80	99	98	92	72	672	638	1,819
Williams	419	488	489	456	432	400	2,333	2,276	7,293
Total	7,978	10,250	10,430	10,272	10,103	9,876	63,448	60,181	182,538

SOURCE: North Dakota Dept. of Public Instruction, Educational Directory, 1972-73 and 1981-82.

TABLE 15.15

PERCENTAGE DISTRIBUTION OF CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS BY EXPENDITURE CATEGORY, 1980-81

Enrollment in High School	Number of Districts	Expenditure Category Administration	 Instruction	 Attendance Services	 Health Services
550 and up	11	2.78%	68.26%	.06%	.04%
500-549	0	----	-----	---	---
400-499	1	4.19	66.03	.19	.00
300-399	6	3.59	62.60	.02	.11
200-299	13	4.44	62.89	.04	.04
150-199	23	5.46	60.11	.01	.03
100-149	44	5.94	59.04	.07	.15
75-99	31	6.71	57.02	.05	.05
50-74	45	7.65	56.55	.01	.04
25-49	48	7.90	56.11	.00	.01
24 or less	11	7.50	56.35	.01	.01
H. S. Total	233	4.61	63.12	.05	.06
Elementary Total	48	4.77	53.04	.00	.05
Rural Total	47	13.46	58.87	.62	.00
Grand Total	328	4.74	62.77	.05	.06

Enrollment in High School	Expenditure Category Pupil Transportation	 Plant Operation	 Plant Maintenance	 Fixed Charges	 Total
550 and up	2.51%	9.96%	3.07%	13.31%	100.00%
500-549	----	----	----	-----	------
400-499	8.05	12.38	----	9.16	100.00
300-399	9.48	8.54	3.12	12.54	100.00
200-299	10.69	10.16	1.32	10.42	100.00
150-199	11.86	10.19	2.06	10.27	100.00
100-149	11.44	10.06	2.53	10.77	100.00
75-99	12.46	11.03	3.03	9.67	100.00
50-74	11.80	11.46	2.51	9.98	100.00
25-49	12.85	10.79	1.91	10.42	100.00
24 or less	10.66	11.81	2.22	11.43	100.00
H. S. Total	7.61	10.23	2.63	11.70	100.00
Elementary Total	18.90	10.26	3.06	9.93	100.00
Rural Total	12.28	3.06	1.82	9.89	100.00
Grand Total	7.99	10.12	2.63	11.63	100.00

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, March 1982.

TABLE 15.16

TAXABLE VALUATION AND AVERAGE MILLS LEVIED BY SCHOOL DISTRICTS BY COUNTY, 1981-1982

County	Taxable Valuation	Average Mill Levy	County	Taxable Valuation	Average Mill Levy	County	Taxable Valuation	Average Mill Levy
Adams	$ 6,676,648	96.86	Hettinger	$ 9,467,178	94.70	Sargent	$ 8,679,275	85.42
Barnes	21,603,516	106.60	Kidder	7,355,483	91.06	Sheridan	3,829,745	95.78
Benson	11,523,070	96.64	LaMoure	14,809,123	82.00	Sioux	2,643,317	101.09
Billings	4,809,338	------	Logan	5,841,041	101.60	Slope	1,971,847	44.80
Bottineau	15,936,461	103.48	McHenry	13,580,931	98.94	Stark	29,497,154	126.75
Bowman	8,055,360	91.91	McIntosh	8,786,139	90.56	Steele	7,568,261	111.63
Burke	6,812,240	91.76	McKenzie	11,518,295	63.82	Stutsman	37,235,039	77.99
Burleigh	[illegible]3,891,643	144.43	McLean	18,941,773	100.41	Towner	8,927,733	99.95
Cass	1[illegible],333,846	136.59	Mercer	9,578,325	119.63	Traill	22,062,155	102.55
Cavalier	15,523,600	75.14	Morton	33,570,377	107.16	Walsh	23,576,111	119.42
Dickey	11,928,912	80.28	Mountrail	10,777,803	101.52	Ward	56,394,605	114.82
Divide	6,564,387	94.76	Nelson	12,672,444	111.06	Wells	12,796,349	100.69
Dunn	6,466,973	71.26	Oliver	3,291,749	81.73	Williams	32,757,721	99.84
Eddy	5,739,915	124.63	Pembina	25,576,934	86.46			
Emmons	9,521,617	89.84	Pierce	9,727,305	97.96			
						STATE TOTALS	$917,860,209	97.40
Foster	9,722,006	92.76	Ramsey	19,239,946	129.74			
Golden Valley	5,209,735	82.96	Ransom	10,998,454	105.12			
Grand Forks	62,594,288	122.72	Renville	7,293,921	99.65			
Grant	7,229,810	93.55	Richland	27,494,790	102.97			
Griggs	5,990,047	106.47	Rolette	8,265,474	113.00			

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, March 1982.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.18

TAXABLE VALUATION* BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1971 TO 1980-1981

County	1970-1971	1974-1975	1975-1976	1976-1977
Adams	$ 5,250,684	$ 6,411,346	$ 6,745,806	$ 6,793,322
Barnes	15,924,237	16,807,602	18,407,570	18,652,395
Benson	8,182,266	8,545,490	9,146,423	9,178,120
Billings	2,410,090	2,555,599	2,474,582	2,466,561
Bottineau	11,687,902	12,439,221	12,539,478	12,649,851
Bowman	5,986,334	6,639,236	6,803,752	6,904,607
Burke	5,653,060	6,344,347	6,650,708	6,626,359
Burleigh	33,312,432	41,776,202	43,828,452	47,258,352
Cass	68,552,661	78,830,472	86,423,689	89,689,851
Cavalier	10,680,554	11,492,162	12,481,430	12,594,937
Dickey	7,261,135	8,041,242	9,518,508	9,595,414
Divide	4,523,660	5,070,552	5,829,469	5,878,681
Dunn	5,287,631	5,495,991	5,485,340	5,478,655
Eddy	4,139,079	4,231,782	4,359,445	4,417,521
Emmons	6,839,239	7,245,393	8,597,411	8,601,440
Foster	6,871,191	7,345,168	7,932,874	7,987,653
Golden Valley	4,266,691	4,472,791	4,812,624	4,821,117
Grand Forks	42,103,751	48,719,990	50,876,191	52,734,639
Grant	4,987,801	5,443,385	5,563,543	5,535,244
Griggs	4,727,933	4,818,220	5,148,422	5,166,241
Hettinger	8,253,505	8,532,294	8,765,372	8,750,228
Kidder	4,724,817	5,686,425	6,080,428	6,083,526
LaMoure	9,498,916	9,953,413	12,126,587	12,210,909
Logan	3,900,949	4,050,555	4,806,615	4,820,810
McHenry	10,511,629	11,139,243	11,051,546	11,049,993
McIntosh	7,237,021	7,140,874	7,333,906	7,386,109
McKenzie	7,055,178	8,382,417	8,365,281	8,393,370
McLean	11,779,299	14,003,154	13,984,292	14,139,399
Mercer	5,690,982	6,102,293	6,245,298	6,413,225
Morton	22,541,342	23,688,173	24,824,723	25,936,005
Mountrail	8,039,033	8,709,859	8,677,240	8,701,910
Nelson	10,042,336	10,461,047	10,865,276	11,009,317
Oliver	2,271,270	2,575,269	2,570,699	2,581,365
Pembina	17,174,786	19,056,613	19,946,065	20,600,617
Pierce	7,188,069	7,797,403	7,868,145	8,004,672
Ramsey	13,640,414	15,063,864	15,768,948	15,793,186
Ransom	7,269,769	7,580,450	8,376,507	8,444,266
Renville	5,785,303	6,602,020	6,601,297	6,660,508
Richland	19,232,386	19,905,350	21,099,803	21,452,721
Rolette	4,825,221	6,192,640	6,255,056	6,323,931

TABLE 15.18--Continued

County	1970-1971	1974-1975	1975-1976	1976-1977
Sargent	$ 5,630,007	$ 5,787,867	$ 6,883,304	$ 6,907,007
Sheridan	2,699,799	2,974,824	2,981,560	3,003,381
Sioux	2,086,721	2,150,032	2,725,171	2,710,315
Slope	1,601,028	1,725,427	1,722,364	1,706,383
Stark	15,875,446	16,944,051	18,275,855	19,366,358
Steele	5,368,312	5,170,392	5,677,464	5,855,657
Stutsman	22,156,383	24,205,891	26,931,849	27,880,959
Towner	6,031,616	6,065,243	6,344,622	6,385,562
Traill	15,320,943	16,735,533	17,044,897	18,273,046
Walsh	17,423,425	17,465,496	19,085,040	19,227,341
Ward	39,067,408	43,031,028	44,596,592	49,737,954
Wells	10,206,069	10,366,911	10,989,487	11,050,284
Williams	22,983,742	23,237,257	25,728,797	26,382,868
N.D. State Total	611,760,560	671,209,499	714,225,794	735,673,642

County	1977-1978	1978-1979	1979-1980	1980-1981
Adams	$ 7,459,511	$ 77,593,978	$ 7,674,662	$ 7,909,114
Barnes	20,448,182	20,961,090	21,237,516	19,923,857
Benson	9,579,064	9,603,816	9,761,266	10,408,455
Billings	2,470,710	2,568,036	3,193,019	4,114,246
Bottineau	12,876,723	13,050,143	13,236,881	13,421,798
Bowman	7,304,044	7,427,580	7,461,313	7,563,477
Burke	6,376,065	6,440,580	6,631,177	6,420,642
Burleigh	48,678,946	55,173,109	59,875,571	65,386,141
Cass	98,839,892	103,951,771	108,909,116	113,093,361
Cavalier	13,596,482	13,356,560	13,420,570	14,534,506
Dickey	10,551,975	10,696,028	10,904,006	10,267,152
Divide	5,613,426	5,681,537	5,848,305	5,925,522
Dunn	5,468,118	5,645,768	5,770,704	5,730,586
Eddy	4,706,928	4,912,485	5,177,763	5,578,498
Emmons	8,564,662	9,230,277	9,277,824	10,692,173
Foster	8,572,481	8,999,725	9,290,452	9,967,684
Golden Valley	5,340,806	5,385,415	5,384,091	5,530,759
Grand Forks	54,360,329	57,197,718	59,925,726	61,822,961
Grant	5,559,033	5,635,422	5,704,835	5,831,067
Griggs	5,551,780	5,560,171	5,564,990	5,635,159
Hettinger	9,128,107	9,173,095	9,241,091	9,284,920
Kidder	6,122,040	6,161,577	6,175,651	6,720,370
LaMoure	13,627,541	13,616,141	13,699,048	14,500,465
Logan	4,929,391	4,998,956	5,085,328	5,662,847
McHenry	11,301,979	11,676,241	11,732,938	11,803,563

TABLE 15.18--Continued

County	1977-1978	1978-1979	1979-1980	1980-1981
McIntosh	$ 7,221,024	$ 7,398,728	$ 7,408,406	$ 8,520,876
McKenzie	9,077,791	9,235,592	9,412,124	9,796,729
McLean	16,723,653	17,061,711	17,712,623	18,022,526
Mercer	7,499,305	8,022,911	12,675,339	15,998,258
Morton	27,049,308	28,928,758	28,711,026	32,525,952
Mountrail	8,834,792	8,908,613	8,989,734	9,018,556
Nelson	1,115,211	11,262,731	11,271,241	11,498,319
Oliver	2,743,065	2,786,949	2,846,845	2,866,859
Pembina	20,353,461	20,532,681	20,592,522	19,327,610
Pierce	8,202,715	8,410,605	7,807,625	9,136,110
Ramsey	17,124,220	17,606,577	18,472,394	18,684,329
Ransom	9,921,924	9,544,995	9,682,597	9,810,462
Renville	6,650,755	6,790,402	6,833,761	6,881,177
Richland	22,550,862	23,017,249	23,432,709	24,763,120
Rolette	6,633,479	6,884,835	7,021,356	7,512,629
Sargent	7,396,697	7,424,854	7,390,632	7,448,385
Sheridan	3,236,609	3,244,452	3,241,527	3,247,766
Sioux	2,771,523	2,759,875	2,776,516	2,814,656
Slope	1,717,291	1,708,157	1,699,356	1,691,573
Stark	21,498,152	23,001,623	24,695,331	26,722,404
Steele	6,959,368	6,989,374	6,971,806	6,949,604
Stutsman	29,974,952	31,582,972	33,364,879	35,477,427
Towner	6,757,513	6,820,606	6,879,403	7,048,170
Traill	19,474,032	19,890,409	19,784,938	20,138,840
Walsh	19,039,391	19,318,022	18,902,797	19,822,768
Ward	49,723,670	51,116,700	53,040,378	55,156,624
Wells	12,515,338	12,744,894	11,504,517	12,239,574
Williams	25,450,067	26,074,962	27,136,307	29,053,202
N.D. State Total	765,244,383	775,281,444	830,442,532	869,904,028

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, various years.

* 50 percent Assessed Valuation.

Note: To calculate total taxes levied, multiply valuation of the county by the number of mills levied.

TABLE 15.17

AVERAGE MILL LEVIES BY SCHOOL DISTRICTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1971 TO 1980-1981

County	1970-1971	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
Adams	66.93	60.37	63.12	64.52	62.87	63.83	66.19	80.37
Barnes	81.36	74.05	76.54	83.22	80.64	83.16	90.26	108.82
Benson	73.04	70.68	74.74	72.40	79.00	78.75	80.19	99.64
Billings	50.00	43.93	37.25	44.00	41.00	533.99	33.99	-----
Bottineau	70.22	74.11	80.35	88.98	86.94	93.07	97.49	110.98
Bowman	61.27	69.51	81.97	84.33	84.55	90.43	92.97	93.61
Burke	76.96	65.28	68.21	70.55	71.66	74.66	83.98	89.59
Burleigh	96.30	98.02	106.02	112.23	123.24	125.40	141.00	147.50
Cass	110.81	112.50	119.11	128.75	128.41	133.45	140.21	143.87
Cavalier	65.50	61.99	75.40	80.61	81.23	77.88	78.37	74.96
Dickey	67.47	63.05	63.40	70.39	73.58	74.63	75.33	82.90
Divide	92.27	81.68	72.91	94.61	108.15	111.68	110.96	115.22
Dunn	60.34	59.80	69.98	72.13	70.44	71.98	73.81	76.77
Eddy	75.00	68.83	67.95	68.82	72.14	81.65	95.30	114.04
Emmons	70.02	66.72	68.47	77.26	78.90	73.71	79.88	77.86
Foster	66.14	63.94	65.68	75.51	77.94	77.12	80.59	80.53
Golden Valley	59.98	62.35	64.14	62.95	61.21	73.66	68.93	76.13
Grand Forks	105.79	97.67	108.11	113.84	132.73	131.29	133.58	135.93
Grant	79.95	66.85	70.54	76.23	84.22	89.26	93.19	101.07
Griggs	72.54	65.95	69.05	83.83	84.96	84.16	90.77	120.46
Hettinger	60.05	48.51	63.21	67.20	72.08	71.19	74.92	87.11
Kidder	72.65	68.75	70.83	76.03	80.18	79.76	86.07	90.19
LaMoure	79.58	68.62	69.57	68.92	67.26	66.11	67.57	74.67
Logan	76.96	43.30	73.16	81.15	83.57	85.19	92.05	88.96
McHenry	83.75	71.71	79.26	82.81	91.16	87.67	84.61	93.56
McIntosh	75.51	78.48	80.16	80.25	84.76	88.59	91.20	85.71
McKenzie	59.92	65.76	66.00	68.33	67.81	71.57	79.24	79.81
McLean	72.12	61.53	66.77	73.66	73.65	80.09	85.12	92.50
Mercer	59.16	63.66	67.98	87.91	86.47	99.90	90.57	105.64
Morton	61.75	64.18	66.59	69.60	72.06	84.16	91.07	92.43

TABLE 15.17--Continued

County	1970-1971	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
Mountrail	78.29	73.41	79.98	85.03	87.25	90.73	100.63	106.33
Nelson	69.36	61.54	70.70	82.86	83.95	87.85	89.88	106.47
Oliver	90.28	64.57	72.97	63.71	62.13	64.78	69.25	78.15
Pembina	65.13	63.90	67.60	67.95	72.91	74.39	85.63	91.19
Pierce	73.62	66.55	69.08	67.73	71.92	75.49	81.92	96.49
Ramsey	77.61	80.30	84.21	97.35	90.95	102.04	109.91	121.64
Ransom	45.77	66.01	77.26	84.70	85.41	90.27	99.36	109.31
Renville	78.06	63.36	61.77	65.38	67.86	77.48	79.17	84.90
Richland	64.25	66.26	78.70	80.24	86.47	87.79	95.06	102.13
Rolette	86.00	62.83	72.07	73.87	79.45	82.52	97.00	105.45
Sargent	72.96	72.62	74.62	74.49	78.51	79.77	80.57	89.63
Sheridan	72.96	71.07	76.91	82.63	82.79	81.39	85.26	96.00
Sioux	57.95	54.82	51.36	59.60	60.76	61.49	74.68	87.90
Slope	50.21	47.13	54.94	54.23	56.43	55.72	64.58	70.47
Stark	86.97	74.02	91.77	93.14	98.44	100.87	107.31	111.80
Steele	63.17	62.95	64.10	58.42	65.13	60.39	78.33	93.96
Stutsman	83.33	74.73	75.30	76.84	78.34	79.67	83.35	95.02
Towner	72.99	65.87	72.60	74.43	79.83	92.55	100.41	105.06
Traill	69.32	66.15	79.59	84.19	85.19	89.76	94.40	108.77
Walsh	85.76	86.00	87.41	96.38	108.16	111.93	112.18	132.97
Ward	100.00	80.38	85.22	85.77	90.12	89.48	92.85	99.44
Wells	65.03	76.30	78.05	84.56	86.97	83.35	88.37	92.47
Williams	79.55	67.87	67.35	70.54	80.79	83.28	91.58	102.40
N.D. State Average	73.43	78.18	84.08	89.47	81.18	84.17	88.89	96.39

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, various years.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.19

AVERAGE SALARIES OF NORTH DAKOTA EDUCATIONAL PERSONNEL BY POSITION AND PLANNING REGION, 1981-82

Position	Region I		Region II		Region III		Region IV		Region V	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Elementary Principal	8	$28,192	32	$28,156	24	$22,994	29	$30,587	44	$26,931
Secondary Principal	9	26,931	33	25,574	25	20,845	27	26,044	38	25,155
Superintendant	17	25,187	44	27,443	29	23,909	34	27,880	40	29,208
Counselor	6	22,372	23	19,138	9	21,638	25	23,048	27	21,244
Librarian	8	19,226	22	17,209	13	15,421	22	18,843	26	18,228
Elementary Teacher	270	17,212	743	15,600	450	15,955	655	18,208	836	18,413
Secondary Teacher:										
Agriculture	6	21,358	19	21,858	10	19,734	8	21,939	10	18,517
Art	4	19,040	8	16,432	6	17,083	10	18,851	8	21,048
Business	17	18,410	40	16,924	23	15,956	32	18,594	36	19,107
Distributive Ed.	---	-------	2	17,358	3	-------	3	25,350	5	20,857
English	23	18,993	72	15,754	50	16,040	61	18,539	82	19,047
Foreign Languages	1	22,540	6	17,386	---	------	4	18,444	7	17,156
Health Occupation	---	-------	1	16,730	2	------	3	18,345	1	------
Phy. Ed. & Health	9	17,907	30	17,338	11	16,717	33	19,275	33	18,942
Home Economics	10	17,804	30	15,557	25	14,997	21	16,286	29	17,556
Industrial Arts	6	20,469	14	15,883	14	16,504	19	19,496	19	18,635
Mathematics	16	19,546	51	16,589	30	16,795	39	19,225	54	19,090
Music	7	18,199	26	16,174	16	15,362	21	17,749	33	17,410
Science	20	19,914	59	16,601	32	16,317	43	19,426	63	19,240
Office Ed.	1	17,300	8	17,690	4	19,463	3	18,708	7	20,173
Social Studies	16	19,116	59	16,254	41	16,496	44	19,902	64	19,647
Trade & Industry	2	20,608	10	18,412	6	-----	6	24,878	13	22,250

TABLE 15.19--Continued

Position	Region I		Region II		Region III		Region IV		Region V	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Special Ed.	7	$15,998	19	$15,267	18	$16,467	33	$16,915	23	$19,255
Driver Ed.	---	------	6	19,262	2	16,850	1	18,200	5	19,878
Career Ed.	---	------	4	20,346	---	------	---	------	1	14,663
Totals	463	18,552	1,361	16,988	846	16,846	1,176	19,321	1,504	19,387

Position	Region VI		Region VII		Region VIII		State	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Elementary Principal	20	$26,396	39	$27,976	17	$25,418	213	$27,477
Secondary Principal	24	23,157	35	24,564	16	23,446	207	24,482
Superintendant	47	25,404	50	26,382	26	25,736	287	26,588
Counselor	15	20,535	25	22,332	13	22,598	143	21,494
Librarian	14	18,654	27	18,288	12	16,792	144	18,005
Elementary Teacher	522	16,314	917	16,934	361	16,406	4,754	16,999
Secondary Teacher:								
Agriculture	14	20,269	18	21,256	10	20,432	95	20,771
Art	4	18,929	12	16,757	3	22,610	55	18,453
Business	38	16,695	58	17,038	20	16,723	264	17,436
Distributive Ed.	3	------	4	18,421	1	20,697	21	20,248
English	64	16,530	92	17,271	37	17,419	481	17,404
Foreign Languages	2	22,320	10	19,261	2	26,442	32	18,852
Health Occupation	1	------	3	12,404	---	------	11	15,645
Phy. Ed. & Health	17	18,392	44	17,572	17	18,034	194	18,177
Home Economics	22	15,825	41	15,033	17	14,375	195	15,838

TABLE 15.19--Continued

Position	Region VI		Region VII		Region VIII		State	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Industrial Arts	20	$16,895	26	$17,933	8	$17,225	126	$17,818
Mathematics	37	16,674	64	17,675	22	16,140	313	17,743
Music	23	16,957	30	17,972	12	16,179	168	17,065
Science	49	17,351	69	17,617	27	18,902	362	18,033
Office Ed.	9	18,354	5	19,360	4	16,968	41	18,612
Social Studies	53	17,796	80	17,785	25	17,298	382	18,015
Trade & Industry	13	15,485	15	21,508	6	25,870	71	21,575
Special Ed.	27	15,874	19	15,720	12	16,911	158	16,611
Driver Ed.	4	22,243	4	20,817	4	18,185	26	19,823
Career Ed.	-----	------	-----	------	---	------	5	19,209
Totals	1,042	17,488	1,687	17,933	672	17,728	8,748	18,109

SOURCE: N.D. Dept. of Public Inst., Administrative and Instructional Personnel in North Dakota, 1981-1982.

Refer to page 2 for map of North Dakota Planning and Development Regions.

Region I includes Divide, Williams and McKenzie Counties.

Region II includes Burke, Bottineau, McHenry, Mountrail, Pierce, Renville and Ward Counties.

Region III includes Benson, Cavalier, Eddy, Rolette and Towner Counties.

Region IV includes Grand Forks, Nelson, Pembina and Walsh Counties.

Region V includes Cass, Ransom, Richland, Steele and Traill Counties.

Region VI includes Barnes, Dickey, Foster, Griggs, LaMoure, Logan, McIntosh, Stutsman and Wells Counties.

Region VII includes Burleigh, Emmons, Grant, Kidder, McLean, Mercer, Morton, Oliver, Sheridan and Sioux Counties.

Region VIII includes Adams, Billings, Bowman, Dunn, Golden Valley, Hettinger, Slope and Stark Counties.

TABLE 15.20

AVERAGE SALARY OF NORTH DAKOTA ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL BY EDUCATION LEVEL, MAJOR ASSIGNMENT AND TYPE OF SCHOOL DISTRICT, SELECTED YEARS, 1970-1982

	Academic Year							
Degree	1970-71	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
Doctorate	$14,404	$17,502	$22,179	$23,856	$24,466	$26,826	$30,454	$30,388
Masters	10,853	13,716	15,436	16,548	17,501	18,714	20,542	23,970
Bachelors	7,532	9,891	10,363	11,119	11,872	12,821	14,402	16,884
Less Than Bachelors	5,417	7,176	8,449	9,198	10,204	10,587	12,094	14,398
Major Assignment								
Superintendent	$11,733	$15,657	$17,276	$18,352	$19,603	$21,171	$23,417	$26,647
Librarian	8,156	10,732	11,030	11,865	13,114	14,081	14,925	15,862
Guidance	10,576	12,715	14,104	15,125	16,008	17,049	18,793	21,561
Sec. Principal	10,355	14,141	14,626	16,001	17,103	18,331	20,285	23,643
Elem. Principal	11,849	15,395	16,631	18,027	19,327	20,934	23,239	27,366
Sec. Teacher	8,019	10,687	10,963	11,763	12,539	13,542	15,201	17,816
Elem. Teacher	7,023	9,900	10,492	11,227	12,112	13,072	14,663	17,157
Type of School District								
High School	$ 7,877	$10,791	$11,366	$12,207	$13,061	$14,12	$15,824	$18,450
Graded Elementary	5,441	7,843	7,893	8,576	9,276	9,858	11,291	13,475
One-Room Rural	4,785	6,130	6,631	7,093	8,142	8,744	9,517	10,795

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, academic years, 1970-71 to 1981-82.

TABLE 15.21

EDUCATIONAL PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND AND SECONDARY SCHOOLS, SELECTED YEARS, 1970-1982

Academic Year	Degree Held												
	Doctorate		Masters +30 hrs.		Masters		Bachelors +30 hrs.		Bachelors		Less than Bachelors		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Administrative Personnel													
1970-1971	8	3%	100	39%	117	46%	15	6%	16	6%	0	0%	256
1975-1976	11	4	121	42	97	33	18	6	43	15	0	0	290
1976-1977	11	4	124	44	88	31	18	6	40	14	0	0	281
1977-1978	14	5	121	42	87	30	25	9	41	14	0	0	288
1978-1979	14	5	121	42	90	32	22	8	37	13	0	0	284
1979-1980	16	6	127	46	73	27	24	9	34	12	0	0	274
1980-1981	18	7	121	45	71	27	20	8	36	13	0	0	266
1981-1982	21	8	127	48	75	28	17	6	26	10	0	0	266
Instructional Personnel													
1970-1971	1	*%	344	5%	369	5%	1,049	15%	3,966	55%	1,491	20%	7,200
1975-1976	7	*	493	7	403	6	1,755	24	4,101	57	407	6	7,166
1976-1977	7	*	501	7	388	6	1,890	27	3,945	56	299	4	7,010
1977-1978	7	*	522	7	377	5	2,038	24	3,884	55	252	4	7,080
1978-1979	8	*	571	8	387	5	2,251	31	3,865	53	205	3	7,287
1979-1980	7	*	600	8	390	5	2,303	32	3,626	51	172	2	7,098
1980-1981	5	*	578	8	379	6	2,343	34	3,399	50	137	2	6,841
1981-1982	4	*	554	8	355	5	2,601	38	3,272	47	124	2	6,910

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

* Less than 1%.

TABLE 15.22

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1970-1982

Academic Year	Univ. of N.D.		N.D. State Univ.		Minot State College		Dickinson State College		Valley City State College		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	
Instructional Personnel											
1970-1971	754	11%	455	6%	1,327	18%	814	11%	1,232	17%	7,200
1975-1976	1,018	14	583	8	1,229	17	667	9	1,058	15	7,166
1976-1977	1,039	15	558	8	1,178	17	638	9	1,008	14	7,010
1977-1978	1,081	15	588	8	1,157	16	644	9	980	14	7,080
1978-1979	1,118	15	577	8	1,181	16	650	9	1,012	14	7,287
1979-1980	1,101	16	570	8	1,133	16	629	9	977	14	7,098
1980-1981	1,062	16	552	8	1,094	16	599	9	956	14	6,841
1981-1982	1,039	15	533	8	1,067	15	585	8	991	14	6,910

Academic Year	Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
	No.	%	No.	%	No.	%	No.	%	No.	%
Instructional Personnel										
1970-1971	766	11%	154	2%	266	4%	78	1%	1,349	19%
1975-1976	678	9	119	2	152	2	146	2	1,516	22
1976-1977	665	9	130	2	140	2	154	2	1,500	21
1977-1978	650	9	139	2	126	2	170	3	1,545	22
1978-1979	689	10	146	2	117	2	181	2	1,616	22
1979-1980	669	9	131	2	113	2	191	3	1,584	22
1980-1981	649	9	115	2	108	1	201	3	1,505	22
1981-1982	684	10	137	2	103	2	209	3	1,562	23

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

TABLE 15.23

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO ADMINISTRATIVE PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1970-1982

Academic Year	Univ. of N.D.		N.D. State Univ.		Minot State College		Dickinson State College		Valley City State College	
	No.	%	No.	%	No.	%	No.	%	No.	%
Administrative Personnel										
1970-1971	106	41%	64	25%	3	1%	2	1%	8	3%
1975-1976	92	32	73	25	3	1	6	2	15	5
1976-1977	91	32	75	27	5	2	6	2	13	5
1977-1978	89	31	71	25	12	4	7	2	15	5
1978-1979	87	31	74	26	10	4	6	2	13	5
1979-1980	85	31	73	27	7	3	8	3	12	4
1980-1981	79	30	68	25	7	3	5	2	13	5
1981-1982	79	30	74	28	7	3	2	0	7	3

Academic Year	Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
	No.	%	No.	%	No.	%	No.	%	No.	%
Administrative Personnel										
1970-1971	5	2%	2	1%	2	1%	*	*%	69	25%
1975-1976	12	4	5	2	5	2	8	8	79	27
1976-1977	9	3	4	1	4	1	8	8	74	26
1977-1978	7	2	5	2	5	2	8	8	77	27
1978-1979	8	3	5	1	4	1	--	--	77	27
1979-1980	8	3	4	1	2	1	--	--	75	27
1980-1981	10	4	6	2	2	1	--	--	76	28
1981-1982	11	4	6	2	1	0	--	--	79	30

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North D various years.

* Not included in reports.

TABLE 15.26

ABBREVIATIONS USED FOR NAMES OF NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION

NDSU	North Dakota State University Fargo, North Dakota
UND	University of North Dakota Grand Forks, North Dakota
DSC	Dickinson State College Dickinson, North Dakota
MaSC	Mayville State College Mayville, North Dakota
MiSC	Minot State College Minot, North Dakota
VCSC	Valley City State College Valley City, North Dakota
BJC	Bismarck Junior College Bismarck, North Dakota
NDSU-BB	North Dakota State University--Bottineau Branch Bottineau, North Dakota
LRJC	Lake Region Junior College Devils Lake, North Dakota
WC	University of North Dakota--Williston Center Williston, North Dakota
NDSSS	North Dakota State School of Science Wahpeton, North Dakota
JC	Jamestown College Jamestown, North Dakota
MC	Mary College Bismarck, North Dakota
ESC	Ellendale State College Ellendale, North Dakota

TABLE 15.29

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, SELECTED YEARS, 1950-1970

Institution	1950	1955	1960	1965	1970
Univ. of North Dakota	2,298	2,958	4,084	6,015	8,129
North Dakota State Univ.	1,947	2,587	3,419	5,006	6,735
Minot State College	764	1,002	1,326	2,005	2,688
Dickinson State College	258	440	647	1,333	1,626
Valley City State College	396	544	804	1,252	1,364
Mayville State College	248	329	588	850	874
Bismarck Junior College	381	441	612	1,060	1,384
North Dakota State Univ.-Bottineau	84	151	189	360	308
Lake Region Junior College	76	30	119	305	666
Univ. of North Dakota-Williston	---	---	72	205	485
North Dakota State School of Science	659	860	1,086	2,147	2,884
Jamestown College	341	442	626	508	645
Mary College	---	---	74	243	502
Ellendale State College	149	197	173	311	159
Total	7,452	9,784	13,819	21,289	28,449

SOURCE: North Dakota Higher Education Facilities Commission, Fall Headcount Enrollments at North Dakota Institutions of Post-Secondary Education, various years and North Dakota Board of Higher Education and Institutional Officials.

TABLE 15.31

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY SEX AND MARITAL STATUS, 1981

Institution	Sex		Martial Status*	
	Male	Female	Single-Divorced	Married
Univ. of North Dakota	5,450	5,081	8,347	2,020
North Dakota State Univ.	5,203	3,539	NA	NA
Minot State College	913	1,606	2,499	20
Dickinson State College	443	650	912	181
Valley City State College	524	684	1,022	186
Mayville State College	280	395	553	122
North Dakota State Univ.-Bottineau	174	243	303	114
North Dakota State School of Science	2,354	1,068	3,137	285
Bismarck Junior College	1,078	1,179	1,689	568
Lake Region Junior College	326	383	NA	NA
Univ. of North Dakota-Williston	253	346	468	131
Jamestown College	301	319	NA	NA
Mary College	297	780	763	242
Total	17,596	16,273	19,693	3,869

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1981 Enrollments, North Dakota Institutions of Higher Education.

* Includes only those students that reported their marital status.

TABLE 15.33

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY TYPE OF STUDENT RESIDENCE, FALL 1981

Institution	Dormitory	At Home	Campus Married Housing	Other Off-Campus
Univ. of North Dakota	3,018	218	702	1,085
North Dakota State Univ.	3,044	789	403	4,483
Minot State College	550	NA	40	NA
Dickinson State College	543	360	25	162
Valley City State College	634	413	12	149
Mayville State College	396	141	28	110
North Dakota State Univ.-Bottineau	260	122	---	35
North Dakota State School of Science	1,888	458	85	991
Bismarck Junior College	924	925	3	405
Lake Region Junior College	158	380	10	161
Univ. of North Dakota-Williston	200	283	--	116
Jamestown College	352	197	50	50
Mary College	383	375	203	203
Total	12,350	4,661	1,373	7,950

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1981 Enrollments, North Dakota Institutions of Higher Education.

Note: Includes only those students who gave a response to their housing status.

TABLE 15.36

TUITION, FEES, AND LIVING EXPENSES AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, 1981-82 ACADEMIC YEAR (Per Academic Year)

		Tuition			
		Resident		Non-Resident	
Institution	Term	Full-Time	Part-Time	Full-Time	Part-Time
UND	S	a$ 630.00	$ 26.25/hr	$1,398.00	$ 58.25/hr
		b 738.00	30.75	1,506.00	62.75
		c 764.00	31.83	1,532.00	63.83
		d 1,450.00	60.41	2,460.00	102.50
NDSU	Q	a 630.00	17.50	1,398.00	38.83
		b 738.00	20.50	1,506.00	41.83
MiSC	Q	a 570.00	15.83	1,131.00	31.42
		b 702.00	19.50	1,263.00	35.08
DSC	Q	a 570.00	15.83	1,131.00	31.42
VCSC	Q	a 570.00	15.83	1,131.00	31.42
MaSC	Q	a 570.00	15.83	1,131.00	31.42
NDSSS	Q	a 570.00	15.83	1,131.00	31.42
NDSU-BB	Q	a 570.00	15.83	1,131.00	31.42
MC	S	2,430.00	76.00	2,430.00	76.00
JC	S	3,820.00	115.00	3,820.00	115.00
BJC	S	20.50/hr[f]	20.50	24.00/hr[g]	24.00[g]
				32.00/hr[i]	32.00[i]
LRJC	S	20.00/hr[f]	22.00[f]	27.00/hr[i]	29.00[i]
		21.00/hr[h]	23.00[h]		
UND-WC	S	20.00/hr	22.00	46.00/hr	48.00
TBI	S	1,56[illegible].00	49.00	1,568.00	49.00
NWBC	S	56.50/hr	56.50	56.50/hr	56.50

	Fees		Room		Board	
Institution	Full-Time	Part-Time	Double	Single	5-Day	7-Day
UND	a$134.00	$5.56/hr	$530	$682	$866	$1,020
	b 134.00	5.56/hr	---	---	896	---
	c 134.00	5.56/hr	---	---	---	---
	d 134.00	5.56/hr	---	---	---	---
NDSU	a 102.00	Included in Tuition	573 hi-rise	---	831	939
	b 102.00		528 Others	---	---	---

TABLE 15.24

AGE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1970-1982

Academic Year	Age Level												
	20-29 Years		30-39 Years		40-49 Years		50-59 Years		60-69 Years		Over 70 Years		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Administrative Personnel													
1970-1971	20	8%	94	37%	76	30%	45	18%	21	8%	2	*%	256
1975-1976	23	8	86	30	96	33	61	21	24	8	0	0	290
1976-1977	10	4	73	26	104	37	65	23	29	10	0	0	281
1977-1978	13	5	78	27	110	38	63	22	24	8	0	0	288
1978-1979	5	0	63	22	114	40	72	26	29	10	1	0	284
1979-1980	7	3	57	21	113	41	72	26	24	9	1	0	274
1980-1981	1	0	64	24	92	35	75	28	32	12	2	1	266
1981-1982	36	14	54	20	83	31	69	26	24	9	0	0	266
Instructional Personnel													
1970-1971	2,796	39%	1,615	21%	1,029	14%	1,149	16%	699	10%	12	*%	7,200
1975-1976	3,233	45	1,744	24	1,024	14	862	12	294	4	9	*	7,166
1976-1977	2,752	39	2,028	29	1,066	15	804	11	352	5	8	*	7,010
1977-1978	2,463	42	1,976	28	1,061	15	791	11	281	4	8	*	7,080
1978-1979	2,510	34	2,375	33	1,205	17	836	11	356	5	5	*	7,287
1979-1980	2,504	35	2,285	32	1,189	17	799	11	316	4	5	*	7,098
1980-1981	1,858	27	2,491	36	1,294	19	802	12	395	6	1	*	6,841
1981-1982	2,529	37	2,261	33	1,148	17	651	9	320	4	1	*	6,910

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

* Less than 1%.

TABLE 15.25

EXPERIENCE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1970-1982

Academic Year	Experience Level												
	1-5 Yrs.		6-10 Yrs.		11-20 Yrs.		21-30 Yrs.		31-40 Yrs.		Over 41 Yrs.		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Administrative Personnel													
1970-1971	13	5%	12	4%	89	35%	77	30%	38	15%	27	11%	256
1975-1976	11	4	21	7	57	20	71	24	44	15	86	30	290
1976-1977	12	4	46	16	121	43	78	28	19	7	5	2	281
1977-1978	14	5	42	15	126	44	79	27	22	8	6	2	288
1978-1979	15	5	40	14	122	43	76	27	27	10	4	1	284
1979-1980	9	3	37	14	121	44	74	27	30	11	3	1	274
1980-1981	11	4	33	12	106	40	87	33	26	10	3	1	266
1981-1982	11	4	26	10	106	40	87	33	34	13	2	*	266
Instructional Personnel													
1970-1971	2,517	30%	1,132	16%	1,512	21%	980	14%	607	8%	452	6%	7,200
1975-1976	2,605	36	1,077	15	1,201	17	862	12	483	7	838	12	7,166
1976-1977	3,185	45	1,347	19	1,616	23	682	10	165	2	18	*	7,010
1977-1978	3,069	43	1,441	20	1,255	18	721	10	180	3	14	*	7,080
1978-1979	2,914	40	1,664	23	1,725	24	774	11	199	3	11	*	7,287
1979-1980	2,572	36	1,723	24	1,751	25	819	12	221	3	12	*	7,098
1980-1981	2,268	33	1,682	25	1,799	26	860	13	222	3	10	*	6,841
1981-1982	2,173	31	1,714	25	1,887	27	872	13	253	4	11	*	6,910

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

* Less than 1%.

TABLE 15.27

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, SELECTED YEARS, 1970-1981

Institution	1970	1975	1976	1977	1978	1979	1980	1981
Univ. of North Dakota	8,129	8,632	8,863	9,363	9,505	9,708	10,217	10,750
North Dakota State Univ.	6,735	6,957	7,159	7,621	7,707	7,619	8,158	8,664
Minot State College	2,688	2,205	2,241	2,435	2,390	2,277	2,529	2,513
Dickinson State College	1,626	1,002	1,026	1,044	1,093	1,062	1,143	1,093
Valley City State College	1,364	861	870	1,016	1,137	1,145	1,217	1,208
Mayville State College	874	675	732	730	811	746	652	675
Bismarck Junior College	1,384	1,843	1,913	2,179	2,042	2,328	2,273	2,257
North Dakota State Univ.-Bottineau	308	562	609	640	578	405*	362	417*
Lake Region Junior College	666	696	612	681	610	576	615	709
Univ. of North Dakota-Williston	485	596	540	617	622	624	646	599
North Dakota State School of Science	2,884	3,068	3,167	3,266	3,287	3,119	3,337	3,372
Jamestown College	645	509	574	580	561	542	605	620
Mary College	502	847	882	896	936	889	992	1,005
Total	28,290	28,453	29,188	31,068	31,279	31,040	32,746	33,882

SOURCE: North Dakota State Board of Higher Education, Biennial Report, 1981; and North Dakota Post-Secondary Education Commission, Fall Enrollments, North Dakota Institution of Higher Education, 1981; and National Center for Education Statistics, Education Directory of Colleges and Universities 1981-82, also, officials at the institutions.

* Figure includes Turtle Mountain Enrichment Center, Belcourt, N.D.

Note: Ellendale State College enrollment for 1970 (159) is not included. Ellendale State College closed June 30, 1971.

TABLE 15.28

RESIDENCE AND MIGRATION OF COLLEGE STUDENTS, NORTH DAKOTA AND SELECTED OTHER STATES, FALL 1979

State	Students Enrolled[1]	Student Residents[2]	Students Remaining[3]	Ratio of Students Remaining to		Migration of Students		
				Enrolled	Residents	Out of	Into	Net
NORTH DAKOTA	12,523	12,361	9,704	.77	.79	2,657	2,819	162
South Dakota	11,399	10,884	8,479	.74	.78	2,405	2,920	515
Montana	11,085	11,841	8,985	.81	.76	2,856	2,100	-756
Nebraska	31,545	31,304	27,115	.86	.87	4,189	4,430	241
Minnesota	60,650	62,210	50,090	.83	.81	12,120	10,560	-1,560
Wyoming	9,106	9,603	7,817	.86	.81	1,786	1,289	-497

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1981.

[1] "Students enrolled" are students enrolled in the state (those remaining plus the immigrants).

[2] "Student residents" are those with residence in the state, and studying either in or out of the state.

[3] "Students remaining" are students studying in their home state.

TABLE 15.30

FULL-TIME FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY PROGRAM STATUS, 1981

Institution	Freshman	Sophomore	Junior	Senior	Graduate	Special	Unclass.	Common Market	Prof.	Total
UND	2,036	2,139	1,530	1,856	425	23	--	--	505	8,514
NDSU	2,069	1,802	1,453	1,649	407	28	5	64*	---	7,477
MiSC	915	447	378	343	52	2	--	--	---	2,137
DSC	448	215	150	136	---	8	4	--	---	962
VCSC	399	208	161	154	---	25	3	--	---	950
MaSC	242	161	105	94	---	11	1	--	---	614
Sub-Total, State 4 yr. Instit.	6,109	4,972	3,777	4,232	884	97	14	64	505	20,654
BJC	885	456	-----	-----	---	--	88	--	---	1,429
NDSU-BB	142	129	-----	-----	---	--	--	--	---	271
LRJC	282	122	-----	-----	---	--	--	--	---	404
UND-WC	329	127	-----	-----	---	--	--	--	---	456
NDSSS	2,203	1,079	-----	-----	---	9	--	--	---	3,282
Sub-Total, State 2 yr. Instit.	3,841	1,913	-----	-----	---	9	88	--	---	5,842
JC	180	138	91	113	---	3	--	--	---	525
MC	214	189	199	172	---	26	1	--	---	801
Sub-Total, Private 4 yr. Instit.	394	327	290	285	---	29	1	--	---	1,326
TOTAL	10,344	7,212	4,067	4,517	884	135	103	64	505	27,831

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1981 Enrollments, North Dakota Institutions of Higher Education.

* Students enrolled at Moorhead State University or Concordia College but registered at NDSU for one or more courses.

TABLE 15.32

ALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY COUNTY OF STUDENT RESIDENCE, 1981

County	UND	NDSU	DSC	VCSC	MaSC	MiSC	BJC	NDSU-BB	LRJC	UND-WC	NDSSS	JC	MC	Total
Adams	33	22	21	--	1	1	5	--	2	--	19	2	11	117
Barnes	89	93	3	430	5	1	2	2	1	-	61	10	2	699
Benson	68	50	1	15	10	8	6	4	116	1	32	3	2	316
Billings	3	5	8	2	--	--	1	1	--	--	2	--	1	23
Bottineau	75	53	3	2	9	41	11	172	7	1	22	2	3	401
Bowman	15	39	33	--	--	1	14	--	1	4	24	12	6	139
Burke	37	28	2	--	1	15	1	2	--	12	14	--	2	114
Burleigh	460	303	31	18	1	15	1,274	15	--	2	88	14	420	2,643
Cass	413	2,299	1	67	21	3	4	7	3	1	228	13	10	3,070
Cavalier	156	68	3	7	23	4	2	3	32	--	51	4	1	354
Dickey	43	79	1	19	5	3	6	3	2	--	39	18	--	218
Divide	39	31	11	--	--	12	1	5	--	18	17	1	2	137
Dunn	19	23	49	1	2	3	7	1	2	4	10	--	4	125
Eddy	35	36	1	6	4	2	--	2	20	--	14	--	1	121
Emmons	33	57	1	10	--	3	45	3	2	--	67	6	40	267
Foster	33	63	1	21	3	2	11	3	10	--	24	5	2	178
Golden Valley	20	25	15	--	--	--	7	--	--	--	5	--	7	83
Grand Forks	2,759	142	6	11	50	3	15	1	9	1	149	1	6	3,153
Grant	18	29	21	1	2	3	31	--	--	1	18	--	8	132
Griggs	26	32	1	22	5	1	--	--	2	--	17	4	2	112
Hettinger	27	33	58	1	--	3	17	1	1	1	21	4	15	182
Kidder	14	34	3	10	1	--	15	--	2	-	16	2	7	104
LaMoure	31	86	1	41	3	1	7	--	1	--	41	15	8	235
Logan	19	33	4	18	--	--	11	--	--	--	43	7	11	146
McHenry	76	48	5	7	8	64	13	35	5	2	34	6	8	311
McIntosh	37	49	2	19	1	2	28	3	--	--	51	5	5	202
McKenzie	23	25	31	2	1	7	5	--	1	32	3	1	5	136
McLean	78	71	12	2	2	41	67	5	2	6	43	--	25	354
Mercer	43	34	30	1	5	10	28	3	1	7	37	2	12	213
Morton	139	163	46	2	1	6	356	--	1	--	66	8	91	879

TABLE 15.32--Continued

County	UND	NDSU	DSC	VCSC	MaSC	MiSC	BJC	NDSU-BB	LRJC	UND-WC	NDSSS	JC	MC	Total
Mountrail	58	54	15	--	1	34	4	7	1	29	19	1	5	228
Nelson	62	58	2	20	17	--	--	1	10	--	41	2	3	216
Oliver	14	16	3	4	--	1	21	--	--	--	18	1	8	86
Pembina	191	72	3	--	38	2	1	2	12	--	41	3	4	378
Pierce	69	64	1	23	4	15	5	8	12	--	35	2	2	240
Ramsey	200	116	--	16	8	16	10	8	331	1	21	6	8	741
Ransom	24	77	1	39	4	--	1	5	1	--	61	3	1	217
Renville	31	23	1	4	--	35	3	3	--	1	13	2	3	119
Richland	97	164	--	6	3	--	2	1	--	--	439	6	3	721
Rolette	94	45	1	13	31	29	12	24	30	5	47	6	8	345
Sargent	17	71	1	25	1	--	--	1	2	--	75	--	--	193
Sheridan	13	11	1	7	1	6	11	2	--	--	11	--	6	69
Sioux	18	7	6	--	--	--	23	--	--	--	5	--	12	71
Slope	5	12	10	--	--	--	5	--	--	--	6	--	1	39
Stark	115	112	420	1	--	2	22	6	--	8	41	2	21	750
Steele	44	42	--	19	17	--	2	--	--	--	28	1	2	155
Stutsman	147	197	7	138	4	1	23	3	2	--	109	243	12	886
Towner	51	34	--	7	5	4	2	16	18	--	30	5	4	176
Traill	95	106	--	4	175	3	--	2	1	--	56	1	2	445
Walsh	276	96	--	12	64	4	2	2	11	1	78	2	6	554
Ward	318	180	11	4	2	1,738	40	11	9	27	101	1	14	2,456
Wells	59	46	5	11	9	13	16	--	4	--	60	10	11	244
Williams	185	107	25	6	7	28	5	3	--	335	18	3	23	745
Unspecified	100	--	41	19	--	--	4	--	23	--	--	--	--	187
Total	7,363	5,763	959	1,122	555	2,186	2,204	376	692	504	2,609	435	876	25,644

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1981 Enrollments, North Dakota Institutions of Higher Education.

TABLE 15.34

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY RACE, FALL 1981

Institution	American Indian	Afro American	Oriental American	Spanish Surname American	American White	Other	No Response
Univ. of North Dakota	202	49	52	26	9,868	100	234
North Dakota State University	40	76	193	22	8,388	---	---
Minot State College	38	46	---	30	2,276	5	---
Dickinson State College	18	4	2	--	1,069	---	---
Valley City State College	6	11	1	3	1,187	---	---
Mayville State College	21	6	---	1	646	1	---
North Dakota State Univ.-Bottineau	11	2	---	--	404	---	---
North Dakota State School of Science	71	12	8	3	3,294	34	---
Bismarck Junior College	39	6	44	--	2,168	---	---
Lake Region Junior College	46	1	---	--	635	2	25
University of North Dakota-Williston	16	1	---	6	576	---	---
Jamestown College	3	15	7	4	580	11	---
Mary College	84	2	2	1	914	2	---
Total	595	231	309	96	32,005	155	259

SOURCE: North Dakota Post-Secondary Education Commission, Fall 1981 Enrollments, North Dakota Instututions of Higher Education.

TABLE 15.35

DEGREES CONFERED BY NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, FISCAL YEAR, 1981

Institution	Total Degree	Degree							
		Associate	Bachelors	Masters	Doctorate	Specialist	J.D. (Law)	B.S. Medicine	M.D.
Univ. of North Dakota	1,889	30	1,353	260	58	4	79	66	39
North Dakota State Univ.	1,562	131	1,251	166	14	-	--	--	--
Minot State College	574	57	475	42	--	-	--	--	--
Mayville State College	214	40	174	---	--	-	--	--	--
Valley City State College	195	43	152	---	--	-	--	--	--
Dickinson State College	143	58	85	---	--	-	--	--	--
Jamestown College	120	---	120	---	--	-	--	--	--
Mary College	224	6	218	---	--	-	--	--	--
North Dakota State School of Science	698	698	-----	---	--	-	--	--	--
North Dakota State Univ.-Bottineau	56	56	-----	---	--	-	--	--	--
Univ. of North Dakota-Williston	120	120	-----	---	--	-	--	--	--
Lake Region Junior College	63	63	-----	---	--	-	--	--	--
Bismarck Junior College	369	369	-----	---	--	-	--	--	--
Northwest Bible College	32	10	22	---	--	-	--	--	--
Trinity Bible Institute	39	17	22	---	--	-	--	--	--
Total Degrees by Type	6,298	1,698	3,872	468	72	4	79	66	39

SOURCE: North Dakota Post-Secondary Education Commission, Programs Offered and Programs Completed at North Dakota Institutions of Post-Secondary Education, July 1, 1980-June 30, 1981.

TABLE 15.36--Continued

Institution	Fees		Room		Board	
	Full-Time	Part-Time	Double	Single	5-Day	7-Day
MiSC	a 111.00	3.08/hr	432	603	780	NA
	b 111.00		---	---	---	---
DSC	a 138.00	3.83/hr	483	684	810	---
					870	
VCSC	a 135.00	3.75/hr	405	600	855	972
MaSC	a 132.00	3.67/hr	420	600	810	NA
NDSSS	a 60.00	10.00*	405	540	870	NA
NDSU-BB	a 127.50	3.54/hr	426	NA	741	792
MC	50.00		560	618	---	930
JC	80.00		640	880	---	935
BJC	110.00[e]		450	---	800	---
LRJC	43.00[e]	15.00*	480	650	780	---
			528	740	824	---
UND-WC	118.00	3.00/hr	495	---	377**	---
			800		600	
TBI	200.00		530	610	---	950
NWBC	23.75[e]		630	---	---	760

SOURCE: North Dakota Post-Secondary Education Commission, Programs Offered and Programs Completed at North Dakota's Institutions of Post-Secondary Education, July 1, 1980-June 30, 1981.

a Undergraduate.

b Graduate.

c Law.

d Medicine.

e Additional fees for special courses.

f District resident.

g State resident, out of district.

h Out of district resident.

i Out of state.

* Per quarter for less than 12 hours. ** 4-day week

TABLE 15.37

REVENUES AND EXPENDITURES OF NORTH DAKOTA EDUCATIONAL INSTITUTIONS GOVERNED BY THE STATE BOARD OF HIGHER EDUCATION, SELECTED YEARS, 1970-1971 TO 1980-1981

	1970-1971		1975-1976	
Institution	Revenues	Expenditures	Revenues	Expenditures
UND	$25,477,661	$24,450,197	$48,030,684	$46,434,382
NDSU	21,660,064	20,940,351	37,006,005	36,591,832
MiSC	4,608,120	4,387,828	5,780,471	5,366,703
DSC	2,723,254	2,661,030	3,633,138	3,466,297
VCSC	2,503,126	2,354,330	3,102,998	3,152,281
MaSC	1,701,052	1,723,592	2,751,925	2,415,499
NDSU-BB	760,192	820,301	2,138,853	1,484,454
NDSSS	5,355,046	5,008,020	8,623,601	8,740,899
	1977-1978		1978-1979	
UND	$64,602,612	$61,591,699	$64,602,612	$61,591,699
NDSU	42,477,359	41,300,091	47,074,848	45,738,822
MiSC	6,730,805	7,003,717	7,699,362	7,710,612
DSC	NA	NA	NA	NA
VCSC	3,247,352	3,352,126	4,188,661	3,634,128
MaSC	3,127,141	2,981,450	3,728,725	3,476,486
NDSU-BB	2,257,736	2,103,328	2,541,353	2,401,241
NDSSS	10,053,352	9,992,040	11,621,565	10,781,685
	1979-1980		1980-1981	
UND	$72,896,827	$72,381,770	$83,480,659	$82,998,507
NDSU	51,528,678	51,312,609	62,736,007	59,528,353
MiSC	8,605,025	8,888,000	10,091,796	9,989,683
DSC	4,774,092	4,847,127	6,163,057	5,905,722
VCSC	3,860,499	4,085,575	4,547,839	4,526,789
MaSC	3,974,010	3,943,576	3,986,590	3,930,849
NDSU-BB	2,493,980	2,587,280	2,779,346	2,746,773
NDSSS	12,129,958	12,407,509	14,740,902	14,107,542

SOURCE: North Dakota State Board of Higher Education, Biennial Report.

TABLE 15.38

STATE AID TO NORTH DAKOTA JUNIOR COLLEGES*, 1959-1981

Year	Amount Appropriated
1959-1961	$ 230,000
1961-1963	239,000
1963-1965	543,000
1965-1967	830,000
1967-1969	1,162,000
1969-1971	1,733,850
1971-1973	2,068,500
1973-1975	2,266,000
1975-1977	2,768,150
1977-1979	3,636,241
1979-1981	4,727,113

SOURCE: *Laws of North Dakota*, Appropriations, 1959-1981.

* Bismarck Junior College, Lake Region Junior College, and University of North Dakota-Williston Center.

TABLE 15.39

TOTAL ENROLLMENT IN VOCATIONAL EDUCATION, NORTH DAKOTA AND SELECTED OTHER STATES, FISCAL YEARS, 1978-79

State	Total	Female	Secondary	Post-Secondary
NORTH DAKOTA	50,391	17,083	39,562	3,144
South Dakota	38,101	15,028	28,988	0
Montana	31,103	------	23,892	------
Nebraska	132,544	37,847	69,710	15,527
Minnesota	499,628	107,534	215,147	41,181
Wyoming	24,577	9,107	18,542	343

State	Adult* Long-term	Adult* Short-term	Cooperative	Completions
NORTH DAKOTA	2,218	11,012	2,163	6,839
South Dakota	3,043	3,051	1,794	6,159
Montana	-----	-------	-----	-----
Nebraska	4,216	27,619	2,727	12,693
Minnesota	0	257,680	14,636	61,459
Wyoming	145	1,023	0	1,722

SOURCE: U.S. Dept. of Education, National Center for Education Statistics, The Condition of Vocational Education, 1981.

* Short-term Adults: Those enrolled in programs of under 500 contract hours duration.

TABLE 15.40

EXPENDITURES OF FEDERAL, STATE, AND LOCAL FUNDS FOR VOCATIONAL EDUCATION: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, FISCAL YEARS, 1977-78 AND 1978-79

(Millions of Dollars)

State	1977-78			
	Total	Federal	State & Local	% State & Local
United States*	$5,575.8	$495.4	$5,080.4	91.1%
NORTH DAKOTA	15.5	1.9	13.5	90.0
South Dakota	9.9	2.2	7.7	77.8
Montana	13.0	2.3	10.7	82.3
Nebraska	23.7	3.8	19.9	84.0
Minnesota	115.9	13.4	102.5	88.4
Wyoming	5.9	1.1	4.8	81.4

State	1978-79			
	Total	Federal	State & Local	% State & Local
United States*	$6,476.0	$565.1	$5,910.9	91.3%
NORTH DAKOTA	16.6	2.0	14.6	88.0
South Dakota	10.7	2.0	8.7	81.3
Montana	0	0	0	----
Nebraska	25.6	4.1	21.5	84.0
Minnesota	114.0	10.9	103.1	90.4
Wyoming	5.8	1.1	4.7	81.0

SOURCE: U.S. Dept. of Education, National Center for Education Statistics, The Condition of Vocational Education, 1981.

* Includes United States possessions and trust territories.

TABLE 15.41

SPECIAL EDUCATION EXPENDITURES FROM STATE FUNDS, STATE OF NORTH DAKOTA, 1979-80

Category	Number of Children	Number of Staff	State Aid
Speech Correction	5,353	146.5	$1,209,568
Classes for Educable Mentally Handicapped	1,759	184.2	830,910
Classes for Trainable Mentally Handicapped	422	42.8	208,184
Programs for Specific Learning Disabled	4,100	158.6	1,263,120
Classes for Hearing Impaired	98	10.5	74,170
Programs for Visually Impaired	55	4.0	31,750
Programs for Emotionally Disturbed	322	13.8	313,612
Programs for Other Health Impaired	38	-----	-------
Programs for Preschool Handicapped	479	35.6	242,372
Programs for Gifted and Talented	257	5.0	40,104
Educational Evaluators	2,150	15.1	124,209
Individual Instruction	70	-----	32,096
School Social Workers	581	15.1	126,637
Occupational Therapy	205	7.1	57,255
Physical Therapy	244	11.4	19,800
Physically Handicapped	26	3.0	21,000
Adaptive Physical Education	31	-----	15,125
Other	44	3.8	18,472
Student Transportation	1,259	-----	522,085

TABLE 15.41--Continued

Category	Number of Children	Number of Staff	State Aid
Boarding/Foster Care	87	-----	123,400
Local Directors of Special Education	-----	21.8	311,740
Local Program Coordinators	-----	22.7	229,380
Aids (Assigned to Classes for Educable/Trainable Mentally Handicapped, Preshcool Handicapped and School Psychologists)	-----	144.6	290,316
Materials and Equipment	-----	-----	61,825
Contracted Services	-----	-----	93,619
Large Print Materials	-----	-----	6,593
Total	17,580	845.6	$6,334,022

SOURCE: North Dakota Dept. of Public Instruction, North Dakota Educational Facts, 1980-1981.

16.00

GOVERNMENT AND ELECTIONS

The subjects of this section are North Dakota government and politics. Nationwide data presented here include state comparisons of voting patterns in national elections and the composition of state legislatures. State-level data show county voting patterns for national and state officials in the 1980 and 1982 general elections. Also included are lists of North Dakota Governors, Lieutenant Governors, U.S. Senators, and U.S. Representatives from statehood to the present as well as a listing of members of the most recent North Dakota Legislative Assembly.

Chief source of national data is the Statistical Abstract of the United States. Most state data come from the North Dakota Secretary of State's Office, which is responsible for certifying election results. Additional data sources include the titled Governmental Organization.

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TABLE 16.02

ESTIMATED VOTING AGE POPULATION AND PERCENT CASTING VOTE BY STATE, 1976 TO 1980

State	Voting Age Population* (Thousands)		% Casting Votes For Presidential Electors		% Casting Votes For U.S. Representatives		
	1976**	1980**	1976	1980	1976	1978	1980
U.S.	150,127	162,761	54.3	53.2	49.6	35.5	47.9
Ala.	2,506	2,729	47.2	49.2	39.3	24.6	37.1
Alaska	256	270	48.3	58.5	46.2	47.3	57.4
Ariz.	1,527	1,926	48.6	45.4	47.7	31.4	44.3
Ark.	1,471	1,614	52.2*	51.9*	22.9*	19.2*	12.5*
Calif.	15,326	17,281	51.3	49.7	48.6	40.3	47.3
Colo.	1,792	2,080	60.4	56.9	57.0	40.7	55.3
Conn.	2,213	2,285	62.4	61.5	60.9	44.8	58.6
Del.	404	428	58.4	55.1	53.2	38.1	50.7
D.C.	507	494	33.3	35.4	31.6	19.5	30.6
Fla.	6,116	7,381	51.5*	50.0*	34.1*	24.9*	41.9*
Ga.	3,391	3,818	43.3	41.8	37.0	16.7	35.5
Hawaii	605	689	48.1	44.0	48.5	40.1	40.8
Idaho	559	637	61.6	68.6	61.2	47.5	65.1
Ill.	7,791	8,178	60.6	58.1	56.0	38.3	54.7
Ind.	3,653	3,872	60.8	57.9	57.6	38.4	56.5
Iowa	2,007	2,088	63.7	63.1	61.9	39.2	60.2
Kans.	1,639	1,714	58.4	57.2	55.5	39.6	54.4
Ky.	2,376	2,579	49.1	50.2	41.6	19.4	40.9
La.	2,567	2,874	49.8	53.9	39.5	28.8	25.4
Maine	743	803	65.0	65.1	63.7	46.0	63.9
Md.	2,885	3,049	49.9	50.5	45.6	31.0	46.0
Mass.	4,133	4,247	61.6	59.4	56.7	42.8	43.1
Mich.	6,220	6,507	58.7	60.1	55.2	42.2	55.1
Minn.	2,730	2,905	71.4	70.6	65.7	53.5	65.6
Miss.	1,554	1,706	49.5	52.3	41.0	32.3	46.2
Mo.	3,386	3,555	57.7	59.1	56.3	44.2	57.7
Mont.	516	555	63.7	65.6	62.2	52.0	61.1
Nebr.	1,084	1,123	56.1	57.1	55.5	44.4	55.7
Nev.	425	584	47.5	42.5	47.0	40.1	42.0
N.H.	578	663	58.8	57.9	56.3	41.5	54.9

TABLE 16.02--Continued

State	Voting Age Population* (Thousands)		% Casting Votes For Presidential Electors		% Casting Votes For U.S. Representatives		
	1976**	1980**	1976	1980	1976	1978	1980
N.J.	5,187	5,374	58.1	55.4	54.2	36.6	51.0
N. Mex.	767	884	54.6	51.7	52.3	34.8	46.3
N.Y.	12,863	12,870	50.8	48.2	46.6	34.0	43.6
N.C.	3,805	4,219	44.1	44.0	41.3	25.8	41.2
N. DAK.	442	462	67.2	65.4	65.6	48.1	63.4
Ohio	7,420	7,703	55.4	55.6	51.8	36.6	51.3
Okla.	1,963	2,170	55.6*	53.0*	54.4*	28.8*	38.5*
Oreg.	1,658	1,910	62.1	61.9	55.9	49.2	57.9
Pa.	8,455	8,742	54.7	52.2	52.4	41.3	49.4
R.I.	669	704	61.5	59.1	58.1	45.3	55.0
S.C.	1,923	2,178	41.7	41.0	40.7	28.8	38.2
S. Dak.	471	485	63.8	67.6	62.6	53.1	66.0
Tenn.	2,974	3,292	49.6	49.1	42.1	34.3	39.6
Tex.	8,603	9,923	47.3	45.8	42.6	24.0	41.0
Utah	780	921	69.4	65.6	69.7	45.1	64.3
Vt.	330	366	56.9	58.2	56.0	35.1	53.3
Va.	3,556	3,872	47.7	48.2	41.1	28.4	40.1
Wash.	2,546	2,991	61.1	58.2	56.0	35.6	54.4
W. Va.	1,293	1,390	58.1	53.1	51.3	33.4	49.4
Wis.	3,193	3,347	65.9	67.9	61.5	43.6	63.8
Wyo.	269	325	58.1	54.5	56.5	43.1	52.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1981.

* Population age 21 and over, except as noted.

** Population age 18 and over.

Note: Based on population as of November 1. Includes Armed Forces stationed in each state, aliens, and institutional population.

TABLE 16.03

POPULAR VOTE CAST FOR PRESIDENT AND PERCENT OF VOTE FOR LEADING PARTY, THE UNITED STATES AND NORTH DAKOTA, 1948-1980

Year	United States		NORTH DAKOTA	
	Vote*	% for Leading Party	Vote*	% for Leading Party
1948	48,794	D-49.6%	221	R-52.2%
1952	61,551	R-55.1	270	R-71.0
1956	62,027	R-57.4	254	R-61.7
1960	68,838	D-49.7	278	R-55.4
1964	70,645	D-61.1	258	D-58.0
1968	73,212	R-43.4	248	R-55.9
1972	77,719	R-60.7	281	R-62.1
1976	81,551	D-50.1	297	R-51.6
1980	86,515	R-50.7	302	R-64.2

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, *Statistical Abstract of the United States*, various years.

* In thousands.

D - Democratic

R - Republican

TABLE 16.01

LOCAL GOVERNMENTS BY NORTH DAKOTA COUNTY, 1977

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total, Including County Gov.	Munici-palities	Town-ships	School Districts	Special Districts	Munici-palities	School Districts	Special Districts
NORTH DAKOTA	3,010	368	1,360	527	702	7	181	115
Adams	46	4	22	13	6	-	3	1
Barnes	89	14	41	16	17	1	6	2
Benson	76	9	37	14	15	-	7	3
Billings	5	1	--	1	2	-	--	2
Bottineau	94	15	44	13	21	-	3	2
Bowman	49	4	25	9	10	-	1	3
Burke	57	7	29	7	13	-	2	--
Burleigh	73	4	40	17	11	1	3	2
Cass	117	20	50	17	29	-	4	4
Cavalier	81	13	40	12	15	-	4	2
Dickey	64	7	32	9	15	-	4	6
Divide	51	4	32	6	8	-	4	2
Dunn	23	4	--	8	10	-	2	4
Eddy	36	2	18	5	10	-	3	4
Emmons	38	5	9	12	11	-	3	1
Foster	38	3	18	6	10	-	1	3
Golden Valley	28	3	11	5	8	-	--	--
Grand Forks	80	10	41	13	15	1	4	2
Grant	37	4	15	7	10	-	3	2
Griggs	41	3	20	8	9	-	5	3

TABLE 16.01--Continued

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total, Including County Gov.	Munici-palities	Town-ships	School Districts	Special Districts	Munici-palities	School Districts	Special Districts
Hettinger	50	3	32	5	9	-	1	--
Kidder	68	6	37	13	11	-	8	2
LaMoure	72	8	32	13	18	-	6	--
Logan	27	4	11	5	6	1	3	2
McHenry	93	14	44	14	20	-	5	5
McIntosh	23	5	1	6	10	-	2	2
McKenzie	55	4	24	9	17	-	1	2
McLean	75	11	32	11	20	-	2	4
Mercer	31	6	--	9	15	-	4	1
Morton	36	6	2	11	16	-	2	--
Mountrail	84	8	49	11	15	-	5	1
Nelson	61	7	27	7	19	-	1	2
Oliver	20	1	--	9	9	-	6	5
Pembina	63	12	24	8	18	1	1	1
Pierce	37	4	15	7	10	-	3	4
Ramsey	65	9	34	8	13	-	2	3
Ransom	54	5	24	11	13	-	6	3
Renville	48	6	24	9	8	-	5	1
Richland	90	14	36	10	29	-	2	--
Rolette	37	5	8	9	14	-	3	1

TABLE 16.01--Continued

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total, Including County Gov.	Munici-palities	Town-ships	School Districts	Special Districts	Munici-palities	School Districts	Special Districts
Sargent	50	7	24	6	12	-	3	--
Sheridan	34	3	14	5	11	-	3	5
Sioux	14	3	1	7	2	-	--	--
Slope	39	2	22	8	6	-	5	2
Starke	30	6	--	9	14	-	1	1
Steele	43	4	20	10	8	-	6	2
Stutsman	109	10	62	20	16	-	7	4
Towner	57	8	28	9	11	1	5	4
Traill	61	9	25	10	16	1	2	2
Walsh	98	13	36	20	28	-	8	2
Ward	105	12	57	21	14	-	7	4
Wells	67	7	36	10	13	-	4	1
Williams	91	10	55	9	16	-	--	1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1977 Census of Governments, Vol. 1, Number 1, Governmental Organization, GC 77 (1)-1.

* Includes intercounty units serving part of this county but centered in another, as well as governments centered in this county.

** Each intercounty government is geographically assigned to the county where its headquarters are located.

TABLE 16.04

VOTE CAST FOR PRESIDENTIAL CANDIDATES IN THE 1980 GENERAL ELECTION BY NORTH DAKOTA COUNTY*

	Presidential Electors					
County	REAGAN Rep.	CARTER Dem.	CLARK Libt.	McREYNOLDS Soc.	HALL Comm.	ANDERSON Ind.
NORTH DAKOTA	193,695	79,189	3,743	82	93	23,640
Adams	1,334	470	28	--	1	107
Barnes	4,392	2,128	84	--	--	705
Benson	2,149	1,119	50	1	1	262
Billings	524	122	9	--	--	33
Bottineau	3,394	1,090	66	1	--	267
Bowman	1,507	454	31	--	--	142
Burke	1,442	418	19	1	--	82
Burleigh	18,437	6,129	341	1	5	2,109
Cass	23,886	13,562	479	23	25	5,421
Cavalier	2,582	1,105	49	--	--	238
Dickey	2,455	917	38	--	--	161
Divide	1,267	509	27	--	--	109
Dunn	1,706	532	28	--	1	115
Eddy	1,153	539	37	1	--	145
Emmons	2,369	502	39	--	1	132
Foster	1,534	586	29	--	--	152
Golden Valley	1,006	259	20	--	--	62
Grand Forks	14,257	6,997	349	20	18	2,932
Grant	1,891	317	15	1	--	110
Griggs	1,342	636	27	--	1	158
Hettinger	1,699	434	15	--	1	104
Kidder	1,474	326	16	--	--	85
LaMoure	2,136	850	41	--	--	254
Logan	1,474	283	32	--	--	69
McHenry	2,922	939	44	1	2	190
McIntosh	2,471	308	14	--	--	72
McKenzie	2,265	867	49	--	--	182
McLean	4,234	1,613	71	--	--	318
Mercer	3,224	1,209	92	--	1	204
Morton	7,659	2,861	148	5	4	742

TABLE 16.04--Continued

County	Presidential Electors					
	REAGAN Rep.	CARTER Dem.	CLARK Libt.	McREYNOLDS Soc.	HALL Comm.	ANDERSON Ind.
Mountrail	2,165	1,183	45	--	2	182
Nelson	1,611	726	23	--	--	226
Oliver	966	270	19	--	1	55
Pembina	3,101	1,239	67	1	1	303
Pierce	2,273	517	28	--	--	168
Ramsey	4,078	1,607	67	2	--	514
Ransom	1,883	974	44	1	--	237
Renville	1,154	570	18	--	1	98
Richland	5,711	2,698	152	2	2	750
Rolette	1,599	1,660	33	3	1	265
Sargent	1,565	1,048	29	1	1	174
Sheridan	1,326	208	4	--	--	65
Sioux	620	383	9	--	--	72
Slope	462	128	8	--	--	45
Stark	6,312	2,016	131	--	4	512
Steele	997	617	19	--	--	229
Stutsman	6,545	2,573	108	2	5	960
Towner	1,375	568	23	1	--	152
Traill	3,092	1,428	35	3	--	512
Walsh	4,488	1,850	98	1	1	485
Ward	14,997	5,554	328	9	8	1,234
Wells	2,660	746	38	--	--	148
Williams	6,530	2,545	130	1	5	592

TABLE 16.04--Continued

County	Presidential Electors				
	BUBAR Statesman	GREAVES Amer.	DeBERRY Soc. Work	COMMONER Citizens	McLAIN Nat. Peop. League
NORTH DAKOTA	54	235	89	429	296
Adams	--	---	--	---	1
Barnes	--	10	--	10	17
Benson	1	---	--	1	3
Billings	--	---	--	1	---
Bottineau	--	---	--	55	5
Bowman	--	---	--	2	2
Burke	--	2	1	2	1
Burleigh	4	11	5	61	34
Cass	8	57	8	117	34
Cavalier	2	---	--	---	1
Dickey	--	---	--	2	1
Divide	2	2	--	1	1
Dunn	--	2	--	1	1
Eddy	1	1	1	5	--
Emmons	--	7	--	1	3
Foster	1	---	--	---	1
Golden Valley	--	1	--	1	---
Grand Forks	7	20	11	63	57
Grant	--	5	--	---	---
Griggs	--	4	--	2	---
Hettinger	--	1	--	---	3
Kidder	--	11	--	---	1
LaMoure	4	1	--	2	4
Logan	2	3	1	---	1
McHenry	1	---	--	3	2
McIntosh	--	3	1	4	---
McKenzie	--	2	2	1	---
McLean	1	---	1	1	7
Mercer	--	7	--	4	---
Morton	3	8	2	16	10

TABLE 16.04--Continued

County	Presidential Electors				
	BUBAR States-Man	GREAVES Amer.	DeBERRY Soc. Work	COMMONER Citizens	McLAIN Nat. Peop. League
Mountrail	1	6	2	1	---
Nelson	--	---	--	7	2
Oliver	--	2	--	2	1
Pembina	--	---	--	4	2
Pierce	--	---	--	2	---
Ramsey	--	2	--	12	3
Ransom	2	---	--	1	---
Renville	--	---	--	---	1
Richland	--	4	2	12	4
Rolette	--	---	1	2	2
Sargent	--	---	1	3	1
Sheridan	--	4	--	---	---
Sioux	--	2	--	2	2
Slope	--	1	1	1	1
Stark	1	13	1	9	4
Steele	1	3	--	2	2
Stutsman	2	13	--	14	27
Towner	--	---	--	---	---
Traill	1	1	--	2	2
Walsh	2	2	1	6	4
Ward	5	17	3	15	19
Wells	--	3	1	1	2
Williams	2	4	43	25	27

SOURCE: North Dakota Secretary of State.

* Election held 11/4/80.

TABLE 16.05

NORTH DAKOTA GOVERNORS AND LIEUTENANT GOVERNORS, STATEHOOD - PRESENT*

Governors	Term
John Miller (R) (1843-1908) Elected 1889; didn't seek re-election 1890	1889-1890
Andrew H. Burke (R) (1850-1918) Elected 1890; defeated for re-election 1892	1891-1892
Eli C. D. Shortridge (Pop) (1830-1908) Elected 1892; didn't seek re-election 1894	1893-1894
Roger Allin (R) (1848-1936) Elected 1894; didn't seek re-election 1896	1895-1896
Frank A. Briggs (R) (1858-1898) Elected 1896; died in office, August 9, 1898	1897-1898
Joseph M. Devine (R) (1861-1938) Lieutenant Governor; completed Frank Briggs' term	1898-1898
Frederick B. Fancher (R) (1852-1944) Elected 1898; defeated for renomination 1900	1899-1900
Frank White (R) (1856-1940) Elected 1900, 1902; didn't seek re-election 1904	1901-1904
Elmore Y. Sailes (R) (1859-1929) Elected 1904; defeated for re-election 1906	1905-1906
John Burke (D) (1859-1937) Elected 1906, 1908, 1910; didn't seek re-election 1912	1907-1912
Louis B. Hanna (R) (1861-1948) Elected 1912, 1914; didn't seek re-election 1916	1913-1916
Lynn J. Frazier (R) (1874-1947) Elected 1916, 1918, 1920; recalled October 28, 1921	1917-1921
Ragnvold A. Nestos (R) (1877-1942) Elected 1921, 1922; defeated for re-election 1924	1921-1924
Arthur G. Sorlie (R) (1874-1928) Elected 1924, 1926; died in office, August 28, 1928	1925-1928
Walter J. Maddock (R) (1880-1951) Lieutenant Governor; completed Arthur Sorlie's term	1928-1928
George F. Shafer (R) (1888-1948) Elected 1928, 1930; didn't seek re-election 1932	1929-1932
William Langer (R) (1886-1959) Elected 1932; removed from office July 17, 1934	1933-1934
Ole H. Olson (R) (1872-1954) Lieutenant Governor; completed William Langer's term	1934-1934
Thomas H. Moodie (D) (1878-1948) Elected 1934; removed from office, February 16, 1935	1935-1935
Walter Welford (R) (1868-1952) Lieutenant Governor; completed Thomas Moodie's term; defeated for election 1936	1935-1936
William Langer (R) (1886-1959) Elected 1936; didn't seek re-election 1938	1937-1938
John Moses (D) (1885-1945) Elected 1938, 1940, 1942; didn't seek re-election 1944	1939-1944
Fred G. Aandahl (R) (1897-1966) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
C. Norman Brunsdale (R) (1891-1957) Elected 1950, 1952, 1954; didn't seek re-election 1956	1951-1956

TABLE 16.05--Continued

Governors	Term
John F. Davis (R) (1913-)	1957-1960
Elected 1956, 1958; didn't seek re-election 1960	
William L. Guy (D) (1919-)	1961-1972
Elected 1960, 1962, 1964, 1968; didn't seek re-election 1972	
Arthur A. Link (D) (1914-)	1973-1980
Elected 1972, 1976; defeated for re-election 1980	
Allen I. Olson (R) (1938-)	1981-
Elected 1980	

Lieutenant Governors	Term
Alfred Dickey (R) (1846-1901)	1889-1890
Elected 1889; didn't seek renomination 1890	
Roger Allin (R) (1848-1936)	1891-1892
Elected 1890; defeated for renomination at 1892 Republican convention	
Elmer D. Wallace (Pop.) (1844-1928)	1893-1894
Elected 1892; didn't seek re-election 1894	
John H. Worst (R) (1850-1945)	1895-1896
Elected 1894; defeated for renomination at 1896 Republican convention	
Joseph M. Devine (R) (1861-1938)	1897-1900
Elected 1896, 1898; didn't seek re-election 1900	
David Barlett (R) (1854-1913)	1901-1906
Elected 1900, 1902, 1904; didn't seek re-election 1906	
Robert S. Lewis (R) (1856-1956)	1907-1910
Elected 1906, 1908; didn't seek re-election 1910	
Usher L. Burdick (R) (1879-1960)	1911-1912
Elected 1910; didn't seek re-election 1912	
Anton T. Kraabel (R) (1862-1934)	1913-1914
Elected 1912; defeated in June 1914 Republican primary	
John H. Fraine (R) (1861-1943)	1915-1916
Elected 1914; didn't seek re-election 1916	
Anton T. Kraabel (R) (1862-1934)	1917-1918
Elected 1916; defeated in June 1918 Republican primary	
Howard R. Wood (R) (1887-1958)	1919-1922
Elected 1918, 1920; didn't seek re-election 1922	
Frank H. Hyland (R) (1880-1934)	1923-1924
Elected 1922; didn't seek re-election 1924	
Walter J. Maddock (R) (1880-1951)	1925-1928
Elected 1924, 1926; didn't seek re-election 1928	
John W. Carr (R) (1874-1932)	1929-1932
Elected 1928, 1930; died in office, June 14, 1932	
Ole H. Olson (R) (1872-1954)	1933-1934
Elected 1932; defeated in June 1934 Republican primary	
Walter Welford (R) (1868-1952)	1935-1936
Elected 1934; didn't seek re-election 1936	
Thorstein H. H. Thoresen (R) (1885-1956)	1937-1938
Elected 1936; didn't seek re-election 1938	
Jack A. Patterson (R) (1890-)	1939-1940
Elected 1938; didn't seek re-election 1940	

TABLE 16.05--Continued

Lieutenant Governors	Term
Oscar W. Hagen (R) (1884-1945) Elected 1940; didn't seek re-election 1942	1941-1942
Henry Holt (D) (1888-1944) Elected 1942; died in office, March 2, 1944	1943-1944
Clarence P. Dahl (R) (1892-1976) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
Ray Schnell (R) (1893-1970) Elected 1950; defeated in June 1952 Republican primary	1951-1952
Clarence P. Dahl (R) (1892-1976) Elected 1952, 1954; didn't seek re-election 1956	1953-1956
Francis Clyde Duffy (R) (1890-1977) Elected 1956; didn't seek re-election 1958	1957-1958
Clarence P. Dahl (R) (1892-1976) Elected 1958; didn't seek re-election 1960	1959-1960
Orville W. Hagen (R) (1915-) Elected 1960; didn't seek re-election 1962	1961-1962
Frank A. Wenstrom (R) (1903-) Elected 1962; defeated in November 1964 general election	1963-1964
Charles Tighe (D) (1927-) Elected 1964; defeated in November 1968 general election	1965-1968
Richard F. Larsen (R) (1936-) Elected 1968; didn't seek re-election 1972	1969-1972
Wayne G. Sanstead (D) (1935-) Elected 1972, 1976; defeated for re-election 1980	1973-1980
Ernest M. Sands (R) (1922-) Elected 1980	1981-

SOURCE: North Dakota Secretary of State.

* Created by the 1889 State Constitution and originally elected for a two-year term. By constitutional amendment, adopted June 30, 1964, the term was increased to four years.

Note: During several historical periods there were various factions under the general label of Republican: NPL--1916-1956; IVA--1920-1932; and ROC--1944-1956.

TABLE 16.06

UNITED STATES SENATORS, NORTH DAKOTA, STATEHOOD - PRESENT*

Senator	Term
Gilbert A. Pierce (R) (1839-1901) Elected 1889; defeated for re-election 1891	1889-1891
Lyman R. Casey (R) (1837-1914) Elected 1889; defeated for re-election 1893	1889-1893
Henry C. Hansbrough (R) (1848-1933) Elected 1891, 1897, 1903; defeated for re-election 1909	1891-1909
William N. Roach (D) (1840-1902) Elected 1893; defeated for re-election 1899	1893-1899
Porter J. McCumber (R) (1858-1933) Elected 1899, 1905, 1911, 1916; defeated for re-election 1922	1899-1923
Martin N. Johnson (R) (1850-1909) Elected 1909; died in office, October 21, 1909	1909-1909
Fountain L. Thompson (D) (1854-1942) Appointed December 7, 1909 to fill vacancy caused by Martin Johnson's death; resigned January 31, 1910	1909-1910
William E. Purcell (D) (1856-1928) Appointed February 1, 1910 to fill vacancy caused by Fountain Thompson's resignation; defeated for re-election 1911	1910-1911
Asle J. Gronna (R) (1858-1922) Elected 1911, 1914; defeated for re-election 1920	1911-1921
Edwin F. Ladd (R) (1859-1925) Elected 1920; died in office, June 25, 1925	1921-1925
Lynn J. Frazier (R) (1874-1947) Elected 1922, 1928, 1934; defeated for re-election 1940	1923-1941
Gerald P. Nye (R) (1892-1971) Appointed November 14, 1925 to fill vacancy caused by Edwin Ladd's death; elected 1926, 1932, 1938; defeated for re-election 1944	1925-1945
William Langer (R) (1886-1959) Elected 1940, 1946, 1952, 1958; died in office, November 8, 1959	1941-1959

TABLE 16.06--Continued

Senator	Term
John Moses (D) (1885-1945) Elected 1944; died in office March 3, 1945	1945-1945
Milton R. Young (R) (1897-) Appointed March 12, 1945 to fill vacancy caused by John Moses' death; elected 1950, 1956, 1962, 1968, 1974	1945-1980
C. Norman Brunsdale (R) (1891-1957) Appointed November 19, 1959 to fill vacancy caused by William Langer's death served until August 7, 1960	1959-1960
Quentin N. Burdick (D) (1908-) Elected June 28, 1960 to complete William Langer's unexpired term; elected 1964, 1970, 1976, 1980	1960-
Mark Andrews (R) (1926-) Elected 1980	1981-

SOURCE: North Dakota Secretary of State.

* Under Article I, Section 3 of the Constitution of the United States, each state is entitled to elect two United States Senators who hold office for a term of six years. However, so that the terms of the state's first Senators would be staggered, one was elected for a period of two years and the other for four years. The Constitution originally provided that Senators were to be elected by the Legislatures of each state. The Seventeenth Amendment to the Constitution, effective May 31, 1913, provided that Senators should be elected by popular vote of the people.

See note--Table 16.05.

TABLE 16.07

UNITED STATES REPRESENTATIVES, NORTH DAKOTA, STATEHOOD - PRESENT*

One Representative, Elected At Large

Representative	Term
Henry C. Hansbrough (R) (1848-1933) Elected 1889; didn't seek re-election 1890	1889-1891
Martin N. Johnson (R) (1850-1909) Elected 1890, 1892, 1894, 1896; didn't seek re-election 1898	1891-1899
Burleigh F. Spalding (R) (1853-1934) Elected 1898; didn't seek re-election 1900	1899-1901
Thomas F. Marshall (R) (1854-1921) Elected 1900	1901-1903

Two Representatives, Elected At Large

Representative	Term
Thomas F. Marshall (R) (1854-1921) Elected 1902, 1904, 1906; didn't seek re-election 1908	1903-1909
Burleigh F. Spalding (R) (1853-1934) Elected 1902; defeated for renomination 1904	1903-1905
Asle J. Gronna (R) (1858-1922) Elected 1904, 1906, 1908; didn't seek re-election 1910	1905-1911
Louis B. Hanna (R) (1861-1948) Elected 1908, 1910; didn't seek re-election 1912	1909-1913
Henry T. Helgesen (R) (1857-1917) Elected 1910	1911-1913

Three Representatives, Elected by District

District 1

Representative	Term
Henry T. Helgesen (R) (1857-1917) Elected 1912, 1914, 1916; died in office, April 10, 1917	1913-1917
John M. Baer (R) (1886-1970) Elected at July 10, 1917 special election to fill unexpired term of Henry Helgesen; elected 1918; defeated for re-election 1920	1917-1921
Olger B. Burtness (R) (1884-1960) Elected 1920, 1922, 1924, 1926, 1928, 1930; defeated for re-election 1932	1921-1933

TABLE 16.07--Continued

Representative	Term
Three Representatives, Elected by District	
District 2	
George M. Young (R) (1870-1932)	1913-1924
Elected 1912, 1914, 1916, 1918, 1920, 1922; resigned September 2, 1924	
Thomas Hall (R) (1869-1958)	1924-1933
Elected November 4, 1924 to fill unexpired term of George Young; elected 1926, 1928, 1930; defeated for re-election 1932	
District 3	
Patrick D. Norton (R) (1876-1953)	1913-1919
Elected 1912, 1914, 1916; defeated for re-election 1918	
James H. Sinclair (R) (1871-1943)	1919-1933
Elected 1918, 1920, 1922, 1924, 1926, 1928, 1930	
Two Representatives, Elected At Large	
James H. Sinclair (R) (1871-1943)	1933-1935
Elected 1932; defeated for re-election 1934	
William Lemke (R) (1878-1950)	1933-1941
Elected 1932, 1934, 1936, 1938; didn't seek re-election	
Usher L. Burdick (R) (1879-1960)	1935-1945
Elected 1934, 1936, 1938, 1940, 1942; didn't seek re-election	
Charles R. Robertson (R) (1889-1951)	1941-1943
Elected 1940; defeated for re-election 1942	
William Lemke (R) (1878-1950)	1943-1950
Elected 1942, 1944, 1946, 1948; died in office, May 30, 1950	
Charles R. Robertson (R) (1889-1951)	1945-1949
Elected 1944, 1946; defeated for re-election 1948	
Usher L. Burdick (R) (1879-1960)	1949-1959
Elected 1948, 1950, 1952, 1954, 1956; didn't seek re-election 1958	
Fred G. Aandahl (R) (1897-1966)	1951-1953
Elected 1950; didn t seek re-election 1952	
Otto Krueger (R) (1890-1963)	1953-1959
Elected 1952, 1954, 1956; didn't seek re-election 1958	
Quentin N. Burdick (D) (1908-)	1959-1960
Elected 1958; resigned, August 8, 1960	
Don L. Short (R) (1903-)	1959-1963
Elected 1958, 1960	
Hjalmer C. Hygaard (R) (1906-1963)	1961-1963
Elected 1960	

TABLE 16.07--Continued

Representative	Term
Two Representatives, Elected by District	
East District	
Hjalmer C. Hygaard (R) (1906-1963) Elected 1962; died in office, July 19, 1963	1963-1963
Mark Andrews (R) (1926-) Elected at October 22, 1963 special election to fill unexpired term of Hjalmer Nygaard; elected 1964, 1966, 1968, 1970	1963-1973
West District	
Don L. Short (R) (1903-) Elected 1962; defeated for re-election 1964	1963-1965
Rolland Redlin (D) (1920-) Elected 1964; defeated for re-Election 1966	1965-1967
Thomas S. Kleppe (R) (1919-) Elected 1966, 1968; didn't seek re-election 1970	1967-1971
Arthur A. Link (D) (1914-) Elected 1970; didn't seek re-election 1972	1971-1973
One Representative, Elected At Large	
Mark Andrews (R) (1926-) Elected 1972, 1974, 1976, 1978; ran for U.S. Senate in 1980	1973-1980
Byron L. Dorgan (D) (1942-) Elected 1980	1981-

SOURCE: North Dakota Secretary of State.

* Under Article I, Section 2 of the Constitution of the United States, each State shall elect one or more Representative to Congress. The number of Representatives is based upon each State's population in relation to that of the entire nation as enumerated by the Federal discennial census. Thus, North Dakota had one Representative from 1889-1902, two from 1903-1912, three form 1913-1932, two from 1933-1972 and at present has one.

See note--Table 16.05, 16.06.

TABLE 16.08

MEMBERS OF THE FORTY-EIGHTH NORTH DAKOTA LEGISLATIVE ASSEMBLY, 1983

Dist.	Senators	Party	Address	Representatives	Party	Address
1st	Frank Wenstrom	R	Williston	Steve Hughes	R	Williston
				Verdine Rice	R	Williston
2nd	Gerald Rustad	D	Williston	Irven Jacobson	D	Alamo
				Olaf Opedahl	D	Tioga
3rd	Mrs. Jerry Meyer	D	Berthold	Richard J. Backes	D	Glenburn
				Orin (Bill) Hanson	R	Sherwood
4th				Clare H. Aubol	D	New Town
				Ruth Meiers	D	Ross
5th	Hal Christenson	R	Minot	Larry Wayne Schoenwald	D	Minot
				Mike Timm	R	Minot
6th				David Paul O'Connell	D	Lansford
				Walter C. Erdman	D	Willow City
7th	William (Bill) Parker	R	Rugby	Charles (Chuck) Anderson	R	Bergen
				Gen Watne	D	Velva
8th				Julia A. Hill	D	Roseglen
				Bob O'Shea	D	Turtle Lake
9th	Phillip Berube	D	Rolla	Allen Richard	D	Dunseith
				Oscar Solberg	D	Rolla
10th				Eugene Nicholas	R	Cando
				Robert E. Nowatzki	D	Langdon
11th	F. Kent Vosper	R	Neche	Kenneth Olafson	R	Gardar
				Alice Olson	R	Cavalier
12th				S.F. (Buckshot) Hoffner	D	Esmond
				Bruce W. Larson	D	Sheyenne
13th	Clayton A. Lodoen	R	West Fargo	Rodney A. Larson	R	Riverside
				Jean Rayl	D	West Fargo
14th				Charles Linderman	D	Carrington
				Arthur Melby	R	Harvey
15th	Floyd Stromme	D	Devils Lake	Kenneth Koehn	R	Devils Lake
				Charles Mertens	D	Devils Lake
16th				William E. Gorder	R	Grafton
				Harley R. Kingsbury	R	Grafton
17th & 18th	2 year term			Judy L. D[illegible]rs	D	Grand Forks
	Chuck Goodman	R	Grand Forks	E. Gene Martin	D	Grand Forks
	4 year term			Thomas J. Kuchera	R	Grand Forks
	Raymon E. Holmberg	R	Grand Forks	Earl Strinden	R	Grand Forks

TABLE 16.10

VOTE CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1982 GENERAL ELECTION BY COUNTY*

County	Pre-cincts	Total Votes Cast	United States Senator Quentin Burdick	Gene Knorr	Anna Bourgois
NORTH DAKOTA	1,232	272,876	164,873	89,304	8,288
Adams	12	1,722	958	655	44
Barnes	52	6,919	4,251	2,230	147
Benson	15	3,369	2,352	821	501
Billings	6	623	265	289	39
Bottineau	24	4,357	2,517	1,586	108
Bowman	14	1,975	1,165	728	38
Burke	20	1,919	1,134	625	79
Burleigh	46	24,106	14,145	7,717	1,140
Cass	75	37,641	23,951	12,430	649
Cavalier	22	3,435	2,017	1,173	99
Dickey	16	3,433	1,846	1,282	49
Divide	18	1,945	1,342	485	52
Dunn	20	2,449	1,432	845	90
Eddy	10	1,946	1,271	581	31
Emmons	16	2,860	1,423	1,146	106
Foster	20	1,980	1,195	664	22
Golden Valley	9	1,497	700	641	76
Grand Forks	36	19,628	12,190	5,995	348
Grant	19	2,081	1,046	880	82
Griggs	25	2,131	1,294	752	21
Hettinger	13	2045	1,107	773	71
Kidder	13	1,938	1,132	688	46
LaMoure	16	3,026	1,738	1,036	90
Logan	11	1,823	887	729	55
McHenry	39	3,850	2,351	1,170	162
McIntosh	15	2,889	1,160	1,476	73
McKenzie	24	3,019	1,623	1,202	95
McLean	42	5,833	3,443	1,895	282
Mercer	19	4,365	2,720	1,394	127
Morton	29	9,978	6,212	2,739	530

TABLE 16.10--Continued

County	Pre-cincts	Total Votes Cast	United States Senator		
			Quentin Burdick	Gene Knorr	Anna Bourgois
Mountrail	46	3,258	2,129	898	113
Nelson	8	2,538	1,553	776	54
Oliver	9	1,286	773	399	62
Pembina	20	4,162	2,419	1,386	122
Pierce	13	2,682	1,499	921	104
Ramsey	25	6,014	3,801	1,831	105
Ransom	13	2,988	1,959	838	61
Renville	12	1,754	1,096	560	49
Richland	50	8,240	4,971	2,685	161
Rolette	13	3,337	2,427	655	128
Sargent	16	2,656	1,713	797	38
Sheridan	13	1,453	665	667	35
Sioux	9	1,087	734	266	41
Slope	6	564	329	206	18
Stark	15	9,829	5,506	3,631	465
Steele	24	1,821	1,270	473	29
Stutsman	26	9,378	5,793	2,888	232
Towner	11	1,960	1,352	466	26
Traill	36	4,594	2,880	1,447	62
Walsh	25	6,745	4,018	2,128	173
Ward	36	19,989	12,422	6,448	615
Wells	45	3,518	1,928	1,390	83
Williams	65	8,241	4,769	2,921	260

TABLE 16.10--Continued

County	Representative in Congress			Public Service Commissioner	
	Byron Dorgan	Kent Jones	Don J. Klingensmith	Bruce Hagen	Dale Sandstrom
NORTH DAKOTA	186,534	72,241	1,724	130,336	120,796
Adams	1,176	466	14	803	775
Barnes	4,705	1,865	50	3,579	2,828
Benson	2,273	770	7	2,000	1,126
Billings	387	210	2	253	330
Bottineau	2,863	1,228	20	2,127	1,809
Bowman	1,319	566	7	964	872
Burke	1,324	480	7	951	747
Burleigh	16,536	6,399	198	40,893	11,468
Cass	25,404	11,358	157	17,056	18,365
Cavalier	2,417	809	22	1,714	1,282
Dickey	1,988	1,108	19	1,620	1,490
Divide	1,458	377	21	1,060	712
Dunn	1,618	674	20	1,106	1,152
Eddy	1,340	495	9	1,136	706
Emmons	1,918	715	30	1,273	1,283
Foster	1,283	540	8	1,014	802
Golden Valley	943	444	14	611	746
Grand Forks	13,253	5,063	87	9,089	8,789
Grant	1,395	593	29	840	1,096
Griggs	1,364	647	15	1,064	901
Hettinger	1,536	436	7	898	995
Kidder	1,279	556	25	906	878
LaMoure	2,054	793	22	1,446	1,257
Logan	1,074	560	14	724	899
McHenry	2,710	921	19	1,953	1,554
McIntosh	1,539	1,094	33	988	1,596
McKenzie	1,936	906	16	1,277	1,492
McLean	4,044	1,495	55	2,928	2,389
Mercer	2,976	1,213	34	2,357	1,789
Morton	7,488	1,867	139	4,913	4,167

TABLE 16.10--Continued

County	Representative in Congress			Public Service Commissioner	
	Byron Dorgan	Kent Jones	Don J. Klingensmith	Bruce Hagen	Dale Sandstrom
Mountrail	2,477	588	21	1,943	1,067
Nelson	1,770	593	12	1,376	949
Oliver	946	277	10	606	590
Pembina	2,712	1,187	19	1,763	1,971
Pierce	1,772	728	23	1,193	1,205
Ramsey	3,686	2,020	31	3,063	2,522
Ransom	2,015	806	18	1,481	1,290
Renville	1,299	385	5	963	657
Richland	5,519	2,221	50	4,021	3,403
Rolette	2,649	474	53	2,159	867
Sargent	1,858	679	14	1,400	1,031
Sheridan	851	534	3	519	815
Sioux	831	177	14	633	322
Slope	408	129	3	254	267
Stark	7,073	2,475	57	4,363	4,857
Steele	1,381	375	5	1,032	647
Stutsman	6,531	2,310	62	4,464	4,089
Towner	1,352	465	6	990	773
Traill	3,001	1,337	14	2,161	1,982
Walsh	4,587	1,595	65	3,080	2,785
Ward	14,434	4,909	70	9,788	9,066
Wells	2,235	1,017	20	1,654	1,574
Williams	5,547	2,312	49	3,887	3,772

TABLE 16.10--Continued

County	Commissioner of Labor		Supreme Court Justice	Judges of District Court		
	Orville Hagen	Byron Knutson	Ralph Erickstad	Maurice Hunke No. 1	James O'Keefe No. 2	Kirk Smith No. 2
NORTH DAKOTA	126,246	116,768	200,227	15,292	30,130	18,791
Adams	855	705	1,327	1,264	---	---
Barnes	3,334	2,936	5,229	---	---	---
Benson	1,364	1,829	2,636	---	2,481	---
Billings	265	303	489	482	---	---
Bottineau	2,165	1,733	3,303	---	3,228	---
Bowman	859	932	1,635	1,579	---	---
Burke	840	852	1,378	---	---	---
Burleigh	12,974	8,893	17,954	---	---	---
Cass	18,963	14,800	27,977	---	---	---
Cavalier	1,538	1,439	2,377	---	2,456	---
Dickey	1,471	1,616	2,766	---	---	---
Divide	953	829	1,391	---	---	---
Dunn	1,041	1,200	1,907	1,868	---	---
Eddy	847	929	1,518	---	---	---
Emmons	1,411	1,184	2,027	---	---	2,004
Foster	922	877	1,602	---	---	---
Golden Valley	610	672	1,090	1,064	---	---
Grand Forks	7,958	9,038	13,785	---	---	15,479
Grant	959	995	1,666	---	---	---
Griggs	1,041	927	1,703	---	---	1,641
Hettinger	948	935	1,619	1,559	---	---
Kidder	836	955	1,453	---	---	---
LaMoure	1,305	1,394	2,126	---	---	---
Logan	804	819	1,360	---	---	---
McHenry	1,768	1,704	2,973	---	2,852	---
McIntosh	1,428	1,221	2,308	---	---	---
McKenzie	1,898	963	2,207	---	---	---
McLean	2,495	2,721	4,045	---	---	---
Mercer	1,940	2,069	3,454	---	---	---
Morton	4,195	4,584	6,890	---	---	---

TABLE 16.10--Continued

County	Commissioner of Labor		Supreme Court Justice	Judges of District Court		
	Orville Hagen	Byron Knutson	Ralph Erickstad	Maurice Hunke No. 1	James O'Keefe No. 2	Kirk Smith No. 2
Mountrail	1,526	1,448	2,536	---	---	---
Nelson	1,146	1,037	1,789	---	---	1,671
Oliver	578	613	1,012	---	---	---
Pembina	1,685	1,819	2,687	---	3,110	---
Pierce	1,193	1,145	1,845	---	1,778	---
Ramsey	2,973	2,345	4,924	---	4,243	---
Ransom	1,357	1,324	2,252	---	---	---
Renville	836	764	1,361	---	1,314	---
Richland	3,473	3,624	6,069	---	---	---
Rolette	1,350	1,365	2,072	---	1,967	---
Sargent	1,165	1,232	1,943	---	---	---
Sheridan	666	665	1,064	---	---	---
Sioux	448	518	824	---	---	---
Slope	247	264	428	413	---	---
Stark	4,205	4,472	6,532	7,063	---	---
Steele	832	841	1,463	---	---	---
Stutsman	3,924	4,435	6,800	---	---	---
Towner	941	810	1,502	---	1,462	---
Traill	2,128	2,003	3,389	---	---	---
Walsh	2,898	2,768	4,270	---	5,239	---
Ward	9,205	8,295	14,876	---	---	---
Wells	1,625	1,592	2,658	---	---	---
Williams	3,858	3,335	5,736	---	---	---

TABLE 16.08--Continued

Dist.	Senators	Party	Address	Representatives	Party	Address
19th	Duane Mutch	R	Lairmore	Dagne Olsen	R	Manvel
				Don Shide	R	Larimore
20th				David W. Kent	R	Hatton
				Peter Lipsiea	R	Portland
21st	Herschel Lashkowitz	D	Fargo	Tish Kelly	D	Fargo
				John T. Schneider	D	Fargo
22nd				Joe Peltier	R	Arthur
				George (Bud) Sinner	D	Casselton
23rd	Dan Wogsland	D	Hannaford	Bruce Laughlin	D	Finley
				Dean A. Vig	D	Sharon
24th	Perry B. Grotberg	D	Valley City	Dean K. Horgan	D	Valley City
				Earl R. Pomeroy	D	Valley City
25th	Russell T. Thane	R	Wahpeton	Roy Hausauer	R	Wahpeton
				Clark Williams	D	Wahpeton
26th				Don Lloyd	D	Lisbon
				Scott B. Stofferahn	D	Cogswell
27th	James A. Dotzenrod	D	Wyndmere	Adella J. Williams	D	Lidgerwood
				Ralph C. Dotzenrod	D	Wyndmere
28th				Jim Brokaw	D	Forbes
				Kelly Schockman	D	LaMoure
29th	Art Todd	R	Jamestown	Elmer Retzer	R	Cleveland
				Wade Williams	D	Eldridge
30th				William E. Kretschmar	R	Venturia
				Wilbur Vander Vorst	R	Hague
31st	E. Gene Hilken	D	Wilton	Theodore A. Lang	R	Sterling
				Orville Schindler	R	McClusky
32nd				Serenus Hoffner	D	Bismarck
				Roger Koski	D	Bismarck
33rd	Jim Kusler	D	Beulah	Ronald Gunsch	R	Zap
				Joseph Keller	D	Beulah
34th				Corliss Mushik	D	Mandan
				James Gerl	D	Mandan
35th	Adam Krauter	D	Regent	Emil J. Riehl	D	Raleigh
				Ray Meyer	D	Morristown, S.D.
36th	Special Election, Unexpired two year term			J.R. (Jack) Murphy	R	Killdeer
	Dean Meyer	D	Watford City	Ronald A. Anderson	R	Keene
37th	Gerald J. Waldera	D	Dickinson	William G. Goetz	R	Dickinson
				Bill Lardy	D	Dickinson

TABLE 16.08--Continued

Dist.	Senators	Party	Address	Representatives	Party	Address
38th	Ray David	R	Dickinson	Kenneth Knudson	R	Taylor
				Clarence Martin	R	Lefor
39th	R.R. (Rick) Maximer	D	New England	Kenneth N. Thompson	R	Beach
				Joseph R. Whalen	R	Bowman
40th & 50th				Brynhild Haugland	R	Minot
				James A. Peterson	R	Minot
				Roy Rued	R	Minot
				Thomas J. Lautenschlager	D	Minot
41st	Jerome L. Walsh	D	Minot	Wayne G. Sanstead	D	Minot
				Janet Wentz	R	Minot
42nd				Mike Hamerlik	R	Grand Forks
				Glen Pomeroy	D	Grand Forks
43rd	Stella Fritzell	R	Grand Forks	Rosie Black	R	Grand Forks
				Moine R. Gates	R	Grand Forks
44th	Curtis N. Peterson	R	Fargo	Marshall W. Moore	R	Fargo
				John M. Riley	R	Fargo
45th	Thomas Matchie	D	Fargo	Donna Nalewaja	R	Fargo
				Steve Swiontek	R	Fargo
46th	Jens J. Tennefos	R	Fargo	Aloha Eagles	R	Fargo
				Thomas C. Wold	R	Fargo
47th	Evan E. Lips	R	Bismarck	Eugene P. (Gene) Boyle	D	Bismarck
				Patrick A. Conmy	R	Bismarck
48th				Michael Unhjem	R	Jamestown
				Lyle Hanson	D	Jamestown
49th	John M. Olson	R	Bismarck	Walter R. Hjelle	D	Bismarck
				Bob Martinson	R	Bismarck
51st	Donald J. Kilander	R	Fargo	Richard Kloubec	R	Fargo
				Paul L. DuBord	D	Fargo
52nd	Joseph A. Satrom	D	Bismarck	Gerald (Jerry) Haimrast	D	Bismarck
				Arlin D. Meier	D	Bismarck
53rd	Francis Barth	D	Solen	Les Gullickson	D	Mandan
				Walter Meyer	D	Flasher

SOURCE: North Dakota Legislative Council.

TABLE 16.09

VOTE CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1980 GENERAL ELECTION BY COUNTY*

County	U.S. Senator				Representative In Congress			
	M. Andrews Rep.	K. Johanneson Dem.	D. Klingensmith Statesman	H. Mclain Chem. Farm. Ban	J. Smykowski Rep.	B. Dorgan Dem.	J. Lengenfelder Prolife	T. Teigen Ind.
NORTH DAKOTA	210,347	86,658	642	1,625	124,707	166,437	1,004	928
Adams	1,396	585	---	1	709	1,239	1	1
Barnes	5,261	2,131	8	56	3,265	4,030	20	18
Benson	2,456	1,197	1	4	1,466	2,138	1	4
Billings	493	206	2	1	325	374	2	---
Bottineau	3,358	1,456	7	3	2,129	2,606	6	5
Bowman	1,603	547	2	3	949	1,180	---	2
Burke	1,510	525	2	1	890	1,111	3	2
Burleigh	18,681	7,901	124	208	9,876	16,994	181	89
Cass	29,111	12,815	92	246	18,424	22,393	136	180
Cavalier	2,716	1,279	1	1	1,564	2,314	4	2
Dickey	2,655	974	3	5	2,023	1,563	10	3
Divide	1,399	571	2	4	806	1,137	3	1
Dunn	1,730	674	2	1	964	1,398	4	1
Eddy	1,279	691	1	2	770	1,185	2	1
Emmons	2,199	824	6	8	1,422	1,583	4	2
Foster	1,709	586	1	5	972	1,290	3	3
Golden Valley	980	375	2	3	642	702	3	1
Grand Forks	16,660	6,476	71	433	9,522	13,216	58	112
Grant	1,766	602	5	6	984	1,364	8	1
Griggs	1,551	649	2	1	1,052	1,106	1	1
Hettinger	1,705	638	3	2	785	1,549	---	1
Kidder	1,417	531	3	3	849	1,083	1	1
LaMoure	2,427	910	10	11	1,472	1,803	21	13
Logan	1,532	463	1	2	987	983	2	1
McHenry	2,907	1,255	2	5	1,826	2,277	3	8

TABLE 16.09--Continued

County	U.S. Senator				Representative In Congress			
	M. Andrews Rep.	K. Johnanneson Dem.	D. Klingensmith Statesman	H. Mclain Chem. Farm. Ban	J. Smykowski Rep.	B. Dorgan Dem.	J. Lengenfelder Prolife	T. Teigen Ind.
McIntosh	2,497	472	1	5	1,826	1,074	---	1
McKenzie	2,377	968	3	5	1,511	1,786	6	1
McLean	4,336	2,023	9	13	2,494	3,765	11	9
Mercer	3,239	1,553	2	11	2,153	2,588	7	7
Morton	7,269	3,903	65	66	3,666	7,787	83	39
Mountrail	2,396	1,322	3	9	1,253	2,413	1	1
Nelson	1,879	725	3	8	1,001	1,418	14	12
Oliver	934	425	1	2	510	825	---	---
Pembina	3,546	1,199	6	28	2,091	2,317	22	23
Pierce	2,279	745	6	5	1,580	1,392	6	1
Ramsey	4,564	1,735	5	33	2,617	3,549	34	50
Ransom	2,287	874	3	10	1,573	1,420	12	9
Renville	973	873	1	1	652	1,206	2	1
Richland	6,813	2,486	12	53	4,918	4,039	51	44
Rolette	2,273	1,332	13	25	937	2,558	25	26
Sargent	1,942	921	1	7	1,532	1,323	4	7
Sheridan	1,379	276	2	1	973	645	---	---
Sioux	637	467	4	3	354	750	2	2
Slope	471	193	---	1	284	376	1	---
Stark	6,142	2,284	20	35	3,307	4,724	45	28
Steele	1,293	579	1	3	720	1,131	1	1
Stutsman	7,263	2,871	12	126	4,179	5,786	77	67
Towner	1,612	568	1	1	823	1,301	1	2
Traill	3,818	1,272	7	25	2,245	2,758	16	14
Walsh	5,227	1,801	5	17	3,093	3,774	12	9
Ward	14,737	6,064	75	84	7,605	11,894	62	94
Wells	2,817	998	3	3	1,732	1,998	1	5
Williams	6,846	2,868	25	30	4,405	5,222	31	22

TABLE 16.09--Continued

County	Governor & Lt. Gov.		Secretary of State		State Auditor		State Treasurer	
	Olson & Sands Rep.	Link & Sanstead Dem.	B. Meier Rep.	B. Black Dem.	R. Peterson Rep.	A. Engel Dem.	J. Lesmeister Rep.	B. Hanson Dem.
NORTH DAKOTA	162,230	140,391	192,609	86,622	171,526	106,115	138,314	136,523
Adams	1,139	834	1,353	511	1,161	663	1,030	805
Barnes	3,811	3,601	4,679	2,341	4,182	2,936	3,096	3,876
Benson	1,734	1,936	1,826	1,636	1,789	1,584	1,480	1,891
Billings	415	297	491	173	414	230	353	285
Bottineau	2,776	2,057	3,226	1,230	2,887	1,492	2,407	1,940
Bowman	1,233	940	1,507	541	1,406	613	1,008	1,047
Burke	1,160	883	1,367	472	1,218	617	989	786
Burleigh	16,473	11,095	18,640	7,396	17,076	8,749	13,772	12,289
Cass	22,546	19,929	26,126	12,637	23,390	15,321	19,146	19,075
Cavalier	2,250	1,751	2,476	1,093	2,025	1,479	1,615	1,802
Dickey	2,027	1,595	2,427	1,000	2,181	1,184	1,840	1,488
Divide	1,038	962	1,242	552	1,134	636	805	924
Dunn	1,221	1,190	1,583	643	1,342	875	1,405	886
Eddy	936	1,031	1,138	699	971	834	789	1,030
Emmons	1,916	1,189	2,216	646	1,910	795	1,647	1,052
Foster	1,289	1,040	1,587	582	1,355	761	1,106	1,006
Golden Valley	782	584	949	315	848	387	675	550
Grand Forks	13,095	10,779	14,590	6,731	12,608	8,426	10,283	10,353
Grant	1,521	873	1,845	439	1,638	612	1,359	837
Griggs	1,091	1,114	1,402	665	1,222	804	1,017	980
Hettinger	1,334	1,018	1,711	504	1,468	688	1,108	1,042
Kidder	1,105	872	1,334	499	1,173	591	964	805
LaMoure	1,834	1,567	2,237	1,023	1,934	1,262	1,539	1,677
Logan	1,189	815	1,564	393	1,292	556	1,105	735
McHenry	2,339	1,850	2,668	1,217	2,438	1,355	2,112	1,681
McIntosh	2,070	893	2,380	467	2,212	515	1,970	774
McKenzie	1,759	1,571	2,248	862	2,139	1,016	1,571	1,457
McLean	3,262	3,172	4,016	1,990	3,469	2,484	2,889	3,058
Mercer	2,473	2,341	3,200	1,341	2,744	1,717	2,342	1,998
Morton	6,156	5,604	7,343	3,634	6,237	4,602	4,932	6,046

TABLE 16.09--Continued

County	Governor & Lt. Gov.		Secretary of State		State Auditor		State Treasurer	
	Olson & Sands Rep.	Link & Sanstead Dem.	B. Meier Rep.	B. Black Dem.	R. Peterson Rep.	A. Engel Dem.	J. Lesmeister Rep.	B. Hanson Dem.
Mountrail	1,523	2,235	2,184	1,283	1,855	1,628	1,372	2,026
Nelson	1,292	1,356	1,611	841	1,415	1,048	1,096	1,353
Oliver	709	654	795	322	808	443	647	585
Pembina	2,669	2,142	3,171	1,292	2,698	1,744	2,189	2,236
Pierce	1,824	1,219	1,974	880	1,926	833	1,719	1,110
Ramsey	3,551	2,784	4,083	1,855	3,486	2,542	2,817	3,097
Ransom	1,631	1,570	1,983	1,054	1,764	1,254	1,455	1,582
Renville	882	1,031	1,181	563	1,016	713	727	977
Richland	4,550	4,948	5,882	2,974	5,130	3,717	4,104	4,642
Rolette	1,322	2,282	1,656	1,619	1,454	1,919	1,022	2,216
Sargent	1,296	1,616	1,600	1,142	1,414	1,320	1,150	1,567
Sheridan	1,135	523	1,281	317	1,186	360	1,081	465
Sioux	467	645	623	381	478	520	367	593
Slope	354	316	453	175	403	215	313	307
Stark	4,924	3,847	5,768	2,145	5,076	2,763	4,242	3,603
Steele	844	1,037	1,093	671	949	800	744	964
Stutsman	5,317	4,890	6,698	2,972	5,955	3,727	4,293	5,362
Towner	1,286	886	1,351	642	1,187	794	978	957
Traill	2,587	2,477	3,279	1,486	3,003	1,892	2,347	2,397
Walsh	3,652	3,442	4,509	1,781	3,802	2,370	2,819	3,216
Ward	10,940	10,946	13,188	6,195	11,920	7,595	10,085	9,025
Wells	2,269	1,545	2,570	965	2,315	1,180	2,020	1,485
Williams	5,232	4,617	6,305	2,835	6,423	2,954	4,373	4,583

TABLE 16.09--Continued

County	Attorney General		Comm. Of Insurance		Comm. of Ag.		Pub. Ser. Comm.	
	R. Wefald Rep.	A. Olson Dem.	J. Wigen Rep.	B. Knutson Dem.	K. Jones Rep.	S. Hoffner Dem.	L. Reinbold Rep.	R. Maixner Dem.
NORTH DAKOTA	149,189	138,092	172,172	116,021	147,329	134,993	152,926	125,393
Adams	925	963	1,297	726	969	922	1,002	871
Barnes	3,488	3,651	4,175	3,045	3,587	3,534	4,000	3,245
Benson	1,571	1,908	1,591	1,970	1,226	2,398	1,572	1,785
Billings	356	285	427	247	394	258	308	376
Bottineau	2,436	2,119	2,671	1,888	2,510	1,974	2,535	1,842
Bowman	1,122	950	1,197	892	1,122	910	1,175	955
Burke	1,011	854	854	733	10,59	774	1,059	727
Burleigh	15,929	10,917	17,518	9,130	14,180	11,885	14,961	10,965
Cass	20,250	20,298	25,048	15,444	20,645	18,610	20,287	18,524
Cavalier	1,802	1,946	2,077	1,608	1,746	1,981	1,816	1,693
Dickey	1,944	1,465	2,066	1,366	1,947	1,458	2,097	1,260
Divide	885	956	1,084	803	893	927	873	885
Dunn	1,138	1,150	1,302	983	1,254	1,022	1,236	1,050
Eddy	834	1,052	990	911	711	1,210	919	911
Emmons	1,642	1,171	1,842	1,006	1,718	1,069	1,827	989
Foster	1,193	976	1,343	864	1,083	1,117	1,311	799
Golden Valley	704	594	826	463	760	494	583	733
Grand Forks	11,359	10,990	13,807	8,564	10,973	10,566	10,684	10,510
Grant	1,313	977	1,477	801	1,464	823	1,504	769
Griggs	1,093	986	1,284	811	1,080	990	1,175	834
Hettinger	1,176	1,065	1,403	813	1,217	992	1,064	1,194
Kidder	1,064	774	1,152	694	1,069	764	1,060	727
LaMoure	1,694	1,579	1,892	1,425	1,563	1,708	1,928	1,280
Logan	1,181	704	1,215	684	1,186	681	1,269	594
McHenry	2,055	1,873	2,315	1,636	2,052	1,920	2,197	1,635
McIntosh	1,997	879	2,118	687	2,034	756	2,162	611
McKenzie	1,585	1,592	1,920	1,291	1,749	1,352	1,733	1,339
McLean	3,145	2,942	3,354	2,803	3,205	2,826	3,276	2,668
Mercer	2,428	2,157	2,611	1,883	2,508	2,071	2,528	1,937
Morton	5,627	5,687	6,229	4,980	5,488	5,496	5,887	5,117

TABLE 16.09--Continued

County	Attorney General R. Wefard Rep.	A. Olson Dem.	Comm. Of Insurance J. Wigen Rep.	B. Knutson Dem.	Comm. of Ag. K. Jones Rep.	S. Hoffner Dem.	Pub. Ser. Comm. L. Reinbold Rep.	R. Maixner Dem.
Mountrail	1,474	2,048	1,607	1,932	1,685	1,790	1,579	1,830
Nelson	1,221	1,320	1,352	1,223	1,132	1,401	1,202	1,253
Oliver	654	657	739	554	717	572	712	556
Pembina	2,343	2,307	2,757	1,914	2,369	2,189	2,430	2,022
Pierce	1,653	1,188	1,748	1,138	1,297	1,624	1,827	988
Ramsey	3,159	2,937	3,667	2,501	3,497	2,846	3,246	2,740
Ransom	1,591	1,513	1,789	1,352	1,549	1,541	1,727	1,302
Renville	756	1,023	933	851	900	875	802	916
Richland	4,682	4,376	4,939	4,194	4,392	4,572	5,128	3,628
Rolette	1,174	2,223	1,366	2,057	1,157	2,192	1,235	2,050
Sargent	1,234	1,578	1,368	1,455	1,215	1,575	1,338	1,370
Sheridan	1,083	494	1,156	438	1,061	528	1,109	450
Sioux	428	613	455	553	473	559	508	485
Slope	319	321	385	263	341	294	276	386
Stark	4,374	3,877	5,492	2,768	4,632	3,190	4,517	3,778
Steele	809	962	986	822	791	999	868	859
Stutsman	4,782	5,024	6,078	3,863	5,022	4,748	5,501	4,088
Towner	984	1,053	1,243	794	1,035	1,045	1,015	933
Traill	2,626	2,291	2,902	2,039	2,555	2,303	2,792	1,973
Walsh	3,420	3,122	3,757	2,787	3,017	3,457	3,358	2,872
Ward	10,492	9,619	11,689	8,561	10,399	9,002	10,386	8,816
Wells	2,075	1,529	2,203	1,427	1,684	1,973	2,173	1,332
Williams	4,909	4,557	6,150	3,384	5,017	4,230	5,169	3,941

SOURCE: North Dakota Secretary of State.

* Election held 11/4/80.

TABLE 16.10--Continued

County	Judges by District Court			
	Thomas Ewing No. 3	Allen Schmaienberger No. 3	Gerald Glasser No. 4	Bert Wilson No. 5
NORTH DAKOTA	7,034	11,920	46,355	27,668
Adams	624	825	---	---
Barnes	---	---	---	---
Benson	---	---	---	---
Billings	257	314	---	---
Bottineau	---	---	---	---
Bowman	805	948	---	---
Burke	---	---	---	1,383
Burleigh	---	---	18,000	---
Cass	---	---	---	---
Cavalier	---	---	---	---
Dickey	---	---	---	---
Divide	---	---	---	1,376
Dunn	787	1,458	---	---
Eddy	---	---	---	---
Emmons	---	---	---	---
Foster	---	---	---	---
Golden Valley	502	790	---	---
Grand Forks	---	---	---	---
Grant	---	---	1,634	---
Griggs	---	---	---	---
Hettinger	764	1,044	---	---
Kidder	---	---	1,412	---
LaMoure	---	---	---	---
Logan	---	---	1,304	
McHenry	---	---	---	---
McIntosh	---	---	2,208	---
McKenzie	---	---	---	2,141
McLean	---	---	3,888	---
Mercer	---	---	3,320	---
Morton	---	---	7,182	---

TABLE 16.10--Continued

County	Judges by District Court			
	Thomas Ewing No. 3	Allen Schmaienberger No. 3	Gerald Glasser No. 4	Bert Wilson No. 5
Mountrail	---	---	---	2,443
Nelson	---	---	---	---
Oliver	---	---	976	---
Pembina	---	---	---	---
Pierce	---	---	---	---
Ramsey	---	---	---	---
Ransom	---	---	---	---
Renville	---	---	---	---
Richland	---	---	---	---
Rolette	---	---	---	---
Sargent	---	---	---	---
Sheridan	---	---	1,028	---
Sioux	---	---	831	---
Slope	243	272	---	---
Stark	3,052	6,269	---	---
Steele	---	---	---	---
Stutsman	---	---	---	---
Towner	---	---	---	---
Traill	---	---	---	---
Walsh	---	---	---	---
Ward	---	---	---	14,341
Wells	---	---	2,568	---
Williams	---	---	---	5,984

SOURCE: North Dakota Secretary of State.

* Election held 11/2/82.

17.00

LAW ENFORCEMENT, COURTS, AND PRISONS

This section presents data on crimes, arrests, law enforcement employment and expenditures, jails and prisons, and the legal systemn of North Dakota. Most crime-related data were obtained from the Statistical Abstract of the United States, and the North Dakota Uniform Crime Reporting Program of the North Dakota Bureau of Criminal Investigation and the North Dakota Attorney General's Office. Additional data were obtained from the North Dakota Supreme Court, the North Dakota Secretary of State, and the North Dakota State Penitentiary.

Prior to 1977, North Dakota crime reports were compiled by the Federal Bureau of Investigation from reports sent by local law enforcement agencies. January, 1977, marked the official beginning of the State Uniform Crime Reporting Program whereby the North Dakota Bureau of Criminal Investigation compiles the local reports and forwards them to the FBI. The advent of the State Uniform Crime Reporting Program has resulted in greater participation rates for counties and cities whereby more are submitting complete crime reports.

The North Dakota penal system includes city jails, county jails, juvenile detention facilities, and the North Dakota State Penitentiary. Statistics pertaining to incarcerations in city and county jails and juvenile detention centers are maintained by the Attorney General's Office. Prison statistics for the State Penitentiary are available from the institution's Business Office.

Data presented on the North Dakota legal system focus mainly upon the number of legal officials within the State and its various subdivisions. These data are essentially directory information.

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TABLE 17.01

CRIME RATES BY TYPE: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1980*

State	Violent Crime			
	Murder & Non-negligent Manslaughter	Forcible Rape	Robbery	Aggravated Assault
United States	9.7	34.5	212.1	279.1
NORTH DAKOTA	1.2	9.5	7.7	35.6
South Dakota	.7	12.5	20.1	93.6
Montana	4.0	21.0	34.0	163.6
Nebraska	4.4	23.2	82.2	114.7
Minnesota	2.6	23.2	99.1	102.9
Iowa	2.2	14.3	54.9	129.0
Kansas	6.9	31.5	113.1	237.8
Missouri	11.1	32.6	223.6	287.2

State	Property Crime			Total Crime Index	State Rank**	Percentage Change in Total Crime Index Over Previous Year
	Burglary-Breaking or Entering	Larceny-Theft	Auto Theft			
United States	1,499.1	2,988.4	498.5	5,521.5	--	+ 6.9%
NORTH DAKOTA	488.3	2,242.2	179.2	2,963.7	49	+ 7.5
South Dakota	692.5	2,255.2	168.6	3,243.2	48	+ 9.6
Montana	950.6	3,529.6	321.7	5,024.5	29	+12.6
Nebraska	915.4	2,921.6	243.6	4,305.2	43	+ 7.8
Minnesota	1,246.0	3,029.9	295.9	4,799.5	34	+ 9.3
Iowa	1,079.5	3,219.1	247.8	4,746.7	37	+10.3
Kansas	1,521.4	3,196.4	271.7	5,378.8	26	+ 9.9
Missouri	1,668.9	2,795.1	414.6	5,433.1	24	+10.0

SOURCE: U.S. Dept. of Justice, Federal Bureau of Investigation, Uniform Crime Reports for the United States, 1981.

* Crimes known to the police per 100,000 population. The seven crimes included herein constitute what is termed the "FBI Crime Index." See following table for definition of crimes.

** Determined by ranking total crime indices for all 50 states.

TABLE 17.02

NORTH DAKOTA CRIME RATES BY TYPE OF CRIME, SELECTED YEARS, 1950-1980[a]

Year	Violent Crime				
	Murder & Non-negligent Manslaughter[b]	Forcible Rape[c]	Robbery[d]	Aggravated Assaults[e]	Violent Crime Index
1950	---	NA	4.5	3.2	7.7
1960	0.5	2.2	6.3	5.2	14.2
1965	0.9	5.1	4.6	23.6	34.2
1970	0.5	6.2	6.5	21.0	33.7
1975	0.8	5.8	14.3	32.1	53.1
1979	1.5	8.2	9.9	42.0	61.3
1980	1.2	9.5	7.7	36.0	54.0

Year	Property Crime				
	Burglary-Breaking or Entering[f]	Larceny-Theft[g]	Auto Theft[h]	Property Crime Index	Total Crime Index
1950	272.9	927.1	101.2	1,301.2	1,308.9
1960	198.0	92.5	68.0	358.5	372.7
1965	206.8	183.9	76.8	467.5	501.7
1970	286.4	434.6	91.0	812.0	845.7
1975	539.2	1,614.3	130.6	2,284.1	2,337.2
1979	461.0	2,071.0	162.0	2,694.5	2,755.9
1980	488.0	2,242.0	179.0	2,909.7	2,963.7

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years, and FBI Uniform Crime Report.

[a] Offenses known to police per 100,000 population, crimes constituting "FBI Crime Index" only.

[b] All willful felonious homicides. Excludes attempts to kill, assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence.

[c] Limited to forcible rapes and attempts.

[d] Includes the stealing or taking of anything of value by force or violence or by threat of force or violence; includes attempted robbery.

[e] Includes assault with intent to kill. Excludes simple assault, assault and battery, fighting, etc.

[f] Includes any unlawful entry to commit a felony or theft. Includes attempted burglary and burglary followed by theft.

[g] Includes theft of property or articles of value (except auto theft) without the use of force and violence or fraud. Includes offenses $50 and over prior to 1973 and all offenses (regardless of value) thereafter.

[h] Includes all cases where motor vehicles are driven away and abandoned. Excludes those taken for temporary use when actually returned by taker.

TABLE 17.03

OFFENSES CLEARED BY ARREST OR EXCEPTIONAL MEANS, NORTH DAKOTA, 1979
(For Crimes constituting "FBI Crime Index" only)

Type of Offense	# of Offenses Reported	# of Offenses Cleared	Percent Cleared	Percent Cleared Involving Juveniles
Murder & Non-negligent Manslaughter	15	11	73%	9%
Forcible Rape	57	28	49	7
Rape by Force	36	23	64	0
Assault to Rape (Attempts)	21	5	24	20
Robbery	85	25	29	12
Firearm	25	10	40	20
Knife or Cutting Instrument	13	4	31	0
Other Dangerous Weapon	7	2	29	0
Hands, Fists, Feet, etc.	40	9	22	11
Aggravated Assault	287	198	69	10
Firearm	33	31	94	19
Knife or Cutting Instrument	59	37	63	16
Other Dangerous Weapon	41	22	54	14
Hands, Fists, Feet, etc.	154	108	70	5
Burglary	3,295	748	23	38
Forcible Entry	2,120	580	27	38
Unlawful Entry - No Force	866	136	16	38
Attempted Forcible Entry	309	32	10	22
Larceny/Theft	14,858	3,143	21	35
Motor Vehicle Theft	1,084	447	41	26
Autos	514	220	43	24
Trucks and Buses	289	138	48	25
Other Vehicles	281	89	32	36
Grand Total	19,681	4,600	23	33

SOURCE: North Dakota Uniform Crime Reporting Program.

TABLE 17.04

VALUE OF PROPERTY STOLEN BY TYPE OF OFFENSE, NORTH DAKOTA, 1981

Offense	Number of Offenses	Dollar Value Stolen	Average Value Per Offense
Murder & Non-negligent Manslaughter	15	$ 100	$ 6
Forcible Rape	56	1,057	19
Robbery			
Highway	34	326,370	9,599
Commercial House	20	12,089	604
Gas or Service Station	5	1,413	283
Chain Store	10	4,292	429
Residence	8	5,174	647
Bank	1	5,300	5,300
Miscellaneous	7	2,741	392
Total Robbery	85	357,379	4,204
Burglary			
Residence			
Night	785	306,356	390
Day	305	132,281	434
Unknown	675	361,206	535
Non-residence			
Night	1,067	453,643	425
Day	72	24,561	341
Unknown	385	153,448	398
Total Burglary	3,289	1,431,495	435
Larceny-Theft			
Pocket-picking	14	1,975	141
Purse-snatching	113	7,582	67
Shoplifting	1,572	66,065	42
From Motor Vehicles	2,276	697,195	306
Motor Parts & Accessories	2,920	508,147	174
Bicycles	2,332	233,823	100
From Buildings	2,407	932,272	387
From Coin-operated Machines	166	24,967	150
All Other	3,053	1,160,675	380
Total Larceny-Theft	14,853	3,632,701	245
Motor Vehicle Theft	1,084	3,451,588	3,184
Grand Total*	19,382	8,874,320	458

SOURCE: North Dakota Uniform Crime Reporting Program.

* In some categories, not all reported incidents are included due to missing data, therefore numbers of offenses may not agree with totals seen in other tables.

TABLE 17.05

VALUE OF PROPERTY STOLEN BY TYPE OF PROPERTY, NORTH DAKOTA, 1981

Type of Property	$ Value of Stolen Property	$ Value of Recovered Property	Percent Recovered
Currency, Notes	$ 601,974	$ 99,042	16%
Jewelry & Precious Metals	807,809	77,624	10
Clothing & Furs	133,904	21,511	16
Locally Stolen Autos	3,493,728	3,089,428	88
Office Equipment	33,259	8,431	25
TVs, Radios, & Cameras	578,752	86,651	15
Firearms	212,367	100,548	47
Household Goods	220,577	25,019	11
Consumable Goods	99,120	28,962	29
Livestock	118,303	7,300	6
Miscellaneous	2,565,346	564,862	22
GRAND TOTAL	8,865,139*	4,109,378	46

SOURCE: North Dakota Uniform Crime Reporting Program.

* Differences in this figure and values found on table labeled Value of Property Stolen are due to errors made by some agencies in recording the information. Errors of this nature are estimated to alter the value of property data by less than 1 percent.

TABLE 17.06

CRIME RATES BY NORTH DAKOTA COUNTY, 1981

County	Crime Rate*	Rank	County	Crime Rate*	Rank
Adams	7.57	42	Mountrail	13.25	24
Barnes	15.61	20	Nelson	9.23	37
Benson	7.09	44	Oliver	12.80	26
Billings	20.00	16	Pembina	15.48	21
Bottineau	17.94	18	Pierce	7.26	43
Bowman	27.14	13	Ramsey	43.46	5
Burke	5.53	47	Ransom	14.18	22
Burleigh	47.96	1	Renville	7.78	41
Cass	47.40	2	Richland	28.96	12
Cavalier	20.79	15	Rolette	13.12	25
Dickey	11.94	29	Sargent	10.73	33
Divide	8.57	40	Sheridan	8.93	39
Dunn	11.30	31	Sioux	5.28	48
Eddy	22.22	14	Slope	2.50	52
Emmons	10.69	34	Stark	46.46	4
Foster	10.65	35	Steele	.65	53
Golden Valley	40.00	6	Stutsman	47.27	3
Grand Forks	38.82	7	Towner	11.50	30
Grant	12.09	28	Traill	12.19	27
Griggs	5.95	46	Walsh	17.40	19
Hettinger	3.49	50	Ward	31.94	11
Kidder	11.03	32	Wells	13.86	23
LaMoure	5.23	49	Williams	37.94	8
Logan	6.86	45			
McHenry	3.42	51			
McIntosh	10.42	36	Statewide Average	30.18	--
McKenzie	35.92	9			
McLean	18.79	17			
Mercer	9.04	38			
Morton	33.72	10			

SOURCE: North Dakota Uniform Crime Reporting Program.

* Crime rate is shown per 1,000 population.

TABLE 17.08

RANK ORDER OF NORTH DAKOTA'S LARGEST CITIES BASED UPON INDICES OF CRIME, 1979

(Crime constituting "FBI Crime Index" only)

City	Rank with Respect to Indices of					
	Violent Crime		Property Crime		Total Crime	
	Rank	Rate*	Rank	Rate*	Rank	Rate*
Fargo	2	1.81	5	53.87	5	55.67
Bismarck	8	.58	4	56.18	4	56.76
Grand Forks	3	1.21	6	53.68	6	54.88
Minot	5	.85	9	46.60	9	47.44
Jamestown	12	.24	1	66.13	1	66.38
Dickinson	1	2.45	3	61.63	3	64.08
Mandan	7	.65	8	47.72	8	48.37
Williston	9	.52	11	40.82	11	41.34
West Fargo	4	.90	10	41.90	10	42.80
Wahpeton	13	.11	7	48.46	7	48.57
Valley City	11	.26	13	17.82	13	18.08
Devils Lake	6	.68	2	65.27	2	65.94
Grafton	10	.38	12	33.21	12	33.58
Rugby	14	--	15	6.97	15	6.97
Carrington	14	--	14	13.08	14	13.08

SOURCE: North Dakota Uniform Crime Reporting Program.

* Crime rate per 1,000 population.

TABLE 16.11

COMPOSITION OF ALL STATE LEGISLATURES, NORTH DAKOTA AND THE LEGISLATURES OF SELECTED STATES BY POLITICAL PARTY AFFILIATIONS, 1974-1980

State	Lower House							
	1974[1,2,8]		1976[3,4,9]		1978[5,6,10]		1980[7,11]	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
All State Legislatures	3,793	1,765	3,772	1,783	3,454	2,027	3,298	2,181
NORTH DAKOTA[12]	40	62	50	50	29	71	27	73
South Dakota	33	37	22	48	22	48	21	49
Montana[12]	67	33	57	43	55	45	43	57
Nebraska[13]								
Minnesota	103	31	100	34	67	67	70	64
Wyoming[12]	29	32	29	32	20	42	23	39
	Upper House							
All State Legislatures	1,307	620	1,306	618	1,260	669	1,185	737
NORTH DAKOTA[12]	40	62	50	50	29	71	27	73
South Dakota	33	37	22	48	22	48	21	49
Montana[12]	67	33	57	43	55	45	43	57
Nebraska[13]								
Minnesota	103	31	100	34	67	67	70	64
Wyoming[12]	29	32	29	32	20	42	23	39

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1981.

[1] Status as of late 1975; includes elections held and vacancies filled in 1975.
[2] Excludes 1 Independent each for Alaska, Maine, Tenn., and Wyo; 3 Independents for Mass.; 5 Independents for Va.; and 10 Independents for Vt.; 1 vacancy for Ga.; and 2 vacancies for Mass.
[3] Excludes 1 Independent each for Miss., N.Y., Tenn., Vt. and Wyo.; 3 Independents each for Mass. and Va.; 1 vacancy each for Md., Mass., Miss., Pa., and S.C.; 4 vacancies for N.Y.; and 6 vacancies for N.H.
[4] Status as of January 1978; includes elections held and vacancies filled in 1977.
[5] Excludes 1 Independent each for Maine, Mass., Tenn., and Va.; 1 Libertarian for Alaska; 2 Independent-Republicans for Miss.; 2 Independents for Vt.; 1 vacancy each for Pa., and S.C.; 2 vacancies for Wis.; and 7 vacancies for N.H. [6] Status as of January 1980; includes elections held and vacancies filled in 1979.
[7] Excludes 1 Independent each for Md., Mass., and Va.; 2 Independents each for Miss. and Tenn.; 2 Libertarians for Alaska; 1 vacancy each for Ala., Ga., Ky., Miss., N.Y., N.C., Tenn., Tex., and Wis.; and 2 vacancies each for Ind. and N.H. [8] Excludes 1 Independent each for Fla., Minn., N.J., Oreg., and Tenn., and 1 vacancy for Pa.
[9] Excludes 1 Independent each for Ala., Fla., and Tenn.; 2 vacancies for Pa.; and 3 vacancies for N.Y.
[10] Excludes 1 Independent each for Maine and Tenn.; and 1 vacancy for Calif. [11] Excludes 1 Independent each for Mass. and Tenn.; 1 vacancy each for Conn., Mo., N.H., and Tex.; and 2 vacancies each for N.J. and Pa.
[12] Upper House members serve 4-year terms, some elected every 2 years. [13] Single chamber (unicameral body) of 49 members, elected without party designation.

TABLE 17.07

CRIMES AND CRIME RATES BY TYPE, NORTH DAKOTA'S LARGEST CITIES, 1981

(Crimes constituting "FBI Crime Index" only)

City	Violent Crime							
	Murder & Non-negligent Manslaughter		Forcible Rape		Robbery		Aggravated Assault	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Fargo	1	.016	17	.277	33	.538	60	.979
Bismarck	-	---	6	.135	18	.180	12	.270
Grand Forks	-	---	2	.046	13	.297	38	.868
Minot	-	---	3	.091	4	.122	21	.638
Jamestown	-	---	-	---	1	.061	3	.184
Dickinson	2	.126	6	.377	6	.377	25	1.572
Mandan	-	---	-	---	2	.130	8	.519
Williston	1	.075	-	---	3	.224	3	.224
West Fargo	-	---	-	---	1	.100	8	.800
Wahpeton	-	---	1	.110	-	---	-	---
Valley City	1	.128	-	---	-	---	1	.128
Devils Lake	2	.270	-	---	1	.135	2	.270
Grafton	-	---	-	---	-	---	2	.377
Rugby	-	---	-	---	-	---	-	---
Carrington	-	---	-	---	-	---	-	---
15-City Total	7	.041	35	.069	82	.144	183	.455
All Other Cities Total	9	.014	22	.034	3	.005	104	.159
N.D. Total	16	.025	57	.087	85	.130	287	.440
15 Cities as % of N.D.	43.8%	---	61.4%	---	96.5%	---	63.8%	---

TABLE 17.07--Continued

City	Property Crime							
	Burglary		Larceny-Theft		Motor Vehicle Theft		Total Crimes	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Fargo	466	7.202	2,671	43.573	165	2.692	3,413	55.677
Bismarck	424	9.528	1,985	44.607	91	2.045	2,526	56.764
Grand Forks	322	7.352	1,906	43.516	123	2.808	2,404	54.886
Minot	236	7.173	1,214	36.900	83	2.523	1,561	47.447
Jamestown	233	14.294	810	49.693	35	2.147	1,082	66.380
Dickinson	210	13.208	693	43.585	77	4.843	1,019	64.088
Mandan	115	7.468	574	37.273	46	2.987	745	48.377
Williston	53	3.955	423	31.567	71	5.299	554	41.343
West Fargo	43	4.300	362	36.200	14	1.400	428	42.800
Wahpeton	60	6.593	371	40.769	10	1.099	442	48.571
Valley City	14	1.795	115	14.744	10	1.282	141	18.077
Devils Lake	34	4.595	427	57.703	22	2.973	488	65.946
Grafton	23	4.340	141	26.604	12	2.264	178	33.585
Rugby	--	---	19	5.758	4	1.212	23	6.970
Carrington	11	4.231	23	8.846	--	---	34	13.077
15-City Total	2,244	6.402	11,734	34.756	763	2.372	15,038	44.266
All Other Cities Total	1,051	1.611	3,124	4.790	321	.492	4,643	7.119
N.D. Total	3,295	5.052	14,858	22.781	1,084	1.662	19,681	30.176
15 Cities as % of N.D.	68.1%	---	79.0%	---	70.4%	---	76.4%	---

SOURCE: North Dakota Uniform Crime Reporting Program.

* Crime rate per 1,000 population. Number is that reported to law enforcement officials.

TABLE 17.09

PRISONERS IN STATE PRISONS: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1981*

State	1950	1955	1960	1965
United States	148,989	165,692	189,735	189,855
NORTH DAKOTA	235	228	248	208
South Dakota	451	423	526	571
Montana	595	529	602	586
Nebraska	1,147	1,080	1,269	1,151
Minnesota	1,879	1,964	2,059	1,772
Iowa	2,084	2,203	2,204	2,178
Kansas	1,959	1,974	2,313	2,791
Missouri	3,400	3,966	3,698	3,517

State	1970**	1975	1980	1981
United States	176,391	216,462	295,363	330,998
NORTH DAKOTA	147	173	185	218
South Dakota	391	338	609	662
Montana	260	429	738	828
Nebraska	1,001	1,251	1,402	1,640
Minnesota	1,585	1,685	2,001	2,024
Iowa	1,747	1,786	2,479	2,554
Kansas	1,902	1,685	2,494	2,770
Missouri	3,413	4,371	5,726	6,489

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* Prisoners present at end of year stated. Data does not include prisoners in Federal prisons.

** United States total excludes transfers reflected in state figures.

TABLE 17.10

INMATES RECEIVED FROM COURTS AND AVERAGE DAILY INMATE POPULATION, NORTH DAKOTA STATE PENITENTIARY, 1965-1981

Year	Inmates Received from Courts	Average Daily Inmate Population
1965	139	219
1966	108	199
1967	88	194
1968	88	158
1969	91	150
1970	85	155
1971	76	113
1972	125	126
1973	128	145
1974	123	134
1975	139	140
1976	154	185
1977	156	218
1978	141	231
1979	152	205
1980	198	231
1981*	94	264

SOURCE: North Dakota State Penitentiary, Biannual Report, July 1, 1979 to June 30, 1981.

* 1981 data is through June 30.

TABLE 17.11

POPULATION MOVEMENT OF INMATES AT THE NORTH DAKOTA STATE PENITENTIARY, 1980 AND 1981

	Number of Inmates	
	Ending 6/30/80	Ending 6/30/81
Inmates Received		
Received from Courts	172	208
Received as Parole Violators	22	22
Received on Revocation of Probation	2	1
Escapees Returned	1	2
Transfers from Other Jurisdictions	21	24
Returned from Appeal Bond	1	1
Total	219	258
Inmates Released		
Discharged by Expiration	29	33
Probation	8	10
Paroled	129	175
Transfers to Other Jurisdictions	7	20
Deceased	3	2
Other Releases	7	8
Escaped	1	2
Total	180	250

SOURCE: North Dakota State Penitentiary, Biannual Report, July 1, 1979 to June 30, 1981.

TABLE 17.12

NORTH DAKOTA COUNTY AND CITY JAIL STATISTICS, 1981

Jail	Total Incar-cerations	Average Length of Incarceration Hours	Average Daily Population	Jail Capacity
County Jails				
Adams	13	42	.06	9
Barnes	419	82	3.92	24
Benson	No Operating Jail Facility			
Billings	No Operating Jail Facility			
Bottineau	126	120	1.73	9
Bowman	15	82	.14	4
Burke	37	7	.03	4
Burleigh	1,388	131	20.76	39
Cass	3,256	95	35.31	68
Cavalier	99	58	.66	9
Dickey	69	13	.10	4
Divide	30	8	.03	9
Dunn	124	37	.52	6
Eddy	49	6	.03	5
Emmons	10	4	.004	4
Foster	21	29	.07	9
Golden Valley	115	35	.46	4
Grand Forks	3,100	59	20.88	38
Grant	11	66	.08	6
Griggs	No Operating Jail Facility			
Hettinger	16	25	.05	4
Kidder	No Operating Jail Facility			
LaMoure	No Operating Jail Facility			
Logan	14	26	.04	2
McHenry	133	72	1.09	6
McIntosh	6	136	.09	3
McKenzie	596	45	3.06	12
McLean	113	51	.66	14
Mercer	519	30	1.78	13
Morton	761	50	4.34	19
Mountrail	136	41	.64	11
Nelson	No Operating Jail Facility			
Oliver	6	14	.009	5
Pembina	195	48	.01	12
Pierce	74	69	.58	9

TABLE 17.12--Continued

Jail	Total Incar- cerations	Average Length of Incarceration Hours	Average Daily Population	Jail Capacity
Ramsey*	1,721	93	18.27	41
Ransom	67	20	.15	20
Renville	22	14	.04	6
Richland	735	80	6.71	23
Rolette	531	91	5.52	26
Sargent	No Operating Jail Facility			
Sheridan	14	13	.02	4
Sioux	No County Operated Jail Facility			
Slope	No Operating Jail Facility			
Stark	1,008	98	11.28	NA
Steele	No Operating Jail Facility			
Stutsman	770	93	8.17	18
Towner	No Operating Jail Facility			
Traill	130	31	.46	15
Walsh	460	93	4.88	14
Ward	1,287	74	10.87	26
Wells	No Operating Jail Facility			
Williams	1,905	91	19.79	41
Statewide Total	22,040	72	191.23	
City Jails				
Bowman	10	9	.01	2
Dickinson	587	10	.67	NA
Dunseith	353	31	1.25	6
Garrison	Data Included With McLean County Data			6
Glen Ullin	No Prisoners Reported Held			2
Minot	506	24	1.39	14
Mott	No Prisoners Reported Held			2
JDC				
Barnes	Data Included With Adult Jail Data			4
Cass	263	123	3.69	12
Grand Forks	220	37	.93	4

SOURCE: Office of the Attorney General, Criminal Justice Training & Statistics Division, North Dakota Jail Information System, Preliminary Report, 1981 and unpublished data.

Note: JDC - Juvenile Dentention Center

* Lake Region Correction Center.

TABLE 17.14

STATE AND FEDERAL JUDGES, NORTH DAKOTA, 1982

U.S. COURT OF APPEALS	Myron H. Bright, U.S. Circuit Judge, Fargo
U.S. DISTRICT COURT	Paul Benson, Chief Judge, Fargo Ronald M. Davies, Senior Judge, Fargo Bruce M. Van Sickle, Judge, Bismarck
N.D. SUPREME COURT	Chief Justice Ralph J. Erickstad Justice William M. Paulson Justice Paul M. Sand Justice Vernon R. Pederson Justice Gerald W. VandeWalle
NORTH DAKOTA DISTRICT COURTS	
EAST CENTRAL DISTRICT	Norman J. Backes,* Fargo John O. Garaas, Fargo Lawrence A. Leclerc, Fargo Michael O. McGuire, Fargo
NORTHEAST CENTRAL DISTRICT	A. C. Bakken,* Grand Forks Joel D. Medd, Grand Forks Kirk Smith, Grand Forks
NORTHEAST DISTRICT	Douglas B. Heen,* Devils Lake William A. Neumann, Rugby James H. O'Keefe, Grafton
NORTHWEST DISTRICT	Wallace D. Berning,* Minot William M. Beede, Williston Jon R. Kerian, Minot Everett Nels Olson, Minot Bert L. Wilson, Jr., Williston
SOUTHCENTRAL DISTRICT	Gerald G. Glaser, Bismarck Benny A. Graff,* Bismarck Larry M. Hatch, Linton William F. Hodney, Mandan Dennis A. Schneider, Bismarck
SOUTHEAST DISTRICT	Robert L. Eckert,* Wahpeton M. C. Fredricks, Jamestown John T. Paulson, Valley City
SOUTHWEST DISTRICT	Maurice R. Hunke,* Dickinson Lyle G. Stuart, Hettinger Allen L. Schmalenberger, Dickinson

SOURCE: North Dakota State Bar Board, 1982, Directory of Judges and Attorneys.

* Denotes presiding judge of the District.

TABLE 17.15

NORTH DAKOTA COUNTY LEGAL OFFICIALS, 1982

County	County Seat	Clerk of District Court	States Attorney
Adams	Hettinger 58639	Norma Fulker	William G. Goetz
Barnes	Valley City 58072	Elsie Lossau	Mikal Simonson
Benson	Minnewaukan 58351	Michael N. Steffan	Joseph Dietchman
Billings	Medora 58645	Joy V. Chase	Jay Brovold
Bottineau	Bottineau 58318	Ross McNea	A. S. Benson
Bowman	Bowman 58623	Evelyn Bolte	Zane Anderson
Burke	Bowbells 58721	Dominic Buzzell	Jeffrey J. Peterson
Burleigh	Bismarck 58502	Marian Barbie	John M. Olson
Cass	Fargo 58108	Ruth Hellem	Robert G. Hoy
Cavalier	Langdon 58249	Dorothy Adam	Cameron Sillers
Dickey	Ellendale 58436	Robert L. Johnson	James N. Purdy
Divide	Crosby 58730	Shirley Peterman	Robert W. Kinsey
Dunn	Manning 58642	Leone P. Scott	Marshall Bergerud
Eddy	New Rockford 58356	W. Jane Dunham	Robert E. Manly
Emmons	Linton 58552	A. P. Schmidt	Francis C. Rohrich
Foster	Carrington 58421	Mary E. Emerson	Fabian E. Noack
Golden Valley	Beach 58621	Marian M. Schatz	Orrin B. Lovell
Grand Forks	Grand Forks 58201	Viviam L. Seim	James T. Odegard
Grant	Carson 58529	Andy Klein	Ross E. Olson
Griggs	Cooperstown 58425	Lillie Simenson	Alph J. Overby
Hettinger	Mott 58646	Hugo J. Auer	James M. Vukelic
Kidder	Steele 58482	Mayvis Strom	Jerome Renner
LaMoure	LaMoure 58458	Thomas W. Nielsen	Ronald G. Splitt
Logan	Napoleon 58561	Dennis D. Schulz	Gordon O. Hoberg
McHenry	Towner 58788	Arlen Merbach	Michael S. McIntee
McIntosh	Ashley 58413	Henry Kranzler	Bruce E. Kretschmar
McKenzie	Watford City 58854	Lester Wehrung	H. F. Gierke, III
McLean	Washburn 58577	R. M. Lundberg	John Romanick
Mercer	Stanton 58571	Robert A. Mandel	Alan Duppler
Morton	Mandan 58554	Kathy Marshall	Richard L. Schnell
Mountrail	Stanley 58784	Gertrude Reep	Robert W. Holte
Nelson	Lakota 58344	Audrey Swanke	Randy A. Deede
Oliver	Center 58530	Harold M. Albers	John J. Mahoney
Pembina	Cavalier 58220	Bernice E. Bernhoft	Robert N. Lee
Pierce	Rugby 58368	Howard Burns	Charles D. Orvik
Ramsey	Devils Lake 58301	Ronald M. Dosch	Lewis C. Jorgenson
Ransom	Lisbon 58054	George Margulies	Wayne P. Jones
Renville	Mohall 58761	Robert E. Reiser	Erwin H. Brendel
Richland	Wahpeton 58075	Lorraine D. Larson	Earle R. Myers, Jr.
Rolette	Rolla 58367	Mary Slunaker	Arne F. Boyum, Jr.

TABLE 17.15--Continued

County	County Seat	Clerk of District Court	States Attorney
Sargent	Forman 58032	Amy Parrow	Robert A. Case
Sheridan	McClusky 58463	Hilmer D. Zimbelman	Walter M. Lipp
Sioux	Fort Yates 58538	Madeline Disrud	Maury C. Thompson
Slope	Amidon 58620	Anna J. Kathrein	Robert A. Keogh
Stark	Dickinson 58601	Paulette Reule	Owen K. Mehrer
Steele	Finley 58230	Arnold H. Johnson	Raymond R. Rund
Stutsman	Jamestown 58401	Norine A. Knudson	Charles J. Gilje
Towner	Cando 58324	Judith R. Hoffman	Larry M. Baer
Traill	Hillsboro 58045	Howard Carver	Stuart A. Larson
Walsh	Grafton 58237	Dorothy Martell	John F. Burke
Ward	Minot 58701	Eldore Leier	Tom P. Slorby
Wells	Fessenden 58438	Samual D. Krause	Vincent LaQua
Williams	Williston 58801	Mary M. Huber	Gerald Rustad

County	County Justice	County Judge	Sheriff
Adams	T. L. Secrest	Norma Fulker	Ken C. Wilson
Barnes		C. James Cieminski	Rosann Boschee
Benson		Michael N. Steffan	Ned J. Mitzel
Billings	Joy V. Chase	Joy V. Chase	Ted Cornell
Bottineau	Lester Ketterling	Ross McNea	Lyle D. Lunde
Bowman	C. H. Strand	Evelyn Bolte	Morrell McGee
Burke	A. J. Pederson	Dominic Buzzell	Russell W. McIntyre
Burleigh		Burt L. Riskedahl	F. R. Harvey
Cass		Donald J. Cooke	Donald J. Rudnick
Cavalier	Paul Crary	Dorothy Adam	Joseph E. Peltier
Dickey	Ronald E. Goodman	Robert L. Johnson	Walter P. Raugutt
Divide	F. Leslie Forsgren	Shirley Peterman	Irving Johnson
Dunn	Harry L. Malloy	Leone P. Scott	Doug Carlson
Eddy	John Hovey	W. Jane Dunham	Edward J. Allmaras
Emmons		A. P. Schmidt	Art B. Sauter
Foster	R. C. Heinley	Mary E. Emerson	James R. Dunn
Golden Valley	Brian Keohane	Marian M. Schatz	Gordon L. Simpson
Grand Forks		Frank J. Kosanda	Gordon J. Taylor
Grant	T. L. Secrest	Andy Klein	Calvin Trauger
Griggs	Joel Goplen	Lillie Simenson	Vernon M. Fuglestad
Hettinger	T. L. Secrest	Hugo J. Auer	Reinhold Schaible
Kidder	John Jensen	Mayvis Strom	Arnold E. Kraft
LaMoure		Tonas W. Nielsen	Ray Laning
Logan	Gerald Kuhn	Dennis D. Schulz	Math J. Schneider
McHenry	Arlen Merbach	Arlen Merbach	Clifford O. Larson

TABLE 17.15--Continued

County	County Justice	County Judge	Sheriff
McIntosh	Richard E. Herr	Henry Kranzler	Milton O. West
McKenzie	Wm. W. McLees, Jr.	Lester Wehrung	Paul Larson
McLean	William F. Lindell	R. M. Lundberg	Arlin Thompson
Mercer		Robert A. Mandel	Ronald G. Kessler
Morton		William G. Engelter	Leo Snider
Mountrail	Ralph W. Bekken	Gertrude Reep	Ken Halvorson
Nelson	Terence P. Devine	Audrey Swanke	Art Varty
Oliver	Harold M. Albers	Harold M. Albers	Gordon Albers
Pembina	Paul Crary	Bernice E. Bernhoft	Glenn E. Wells
Pierce	Carlan J. Kraft	Howard Burns	Alan I. Latozke
Ramsey		Ronald M. Dosch	Bert M. Road
Ransom		George Margulies	Everett Olerud
Renville	Robert E. Reiser	Robert E. Reiser	Bob Thomas
Richland		Bayard Lewis	Earl R. Dosch
Rolette	J. Howard Storman	Mary Slunaker	Bryant D. Mueller
Sargent	Stephen McLean	Amy Parrow	Russell Clark
Sheridan	Roy H. Swendsen	Hilmer D. Zimbelman	Leonard S. Hanson
Sioux	William Severin	Madeline Disrud	Miles W. Utter
Slope	C. H. Strand	Anna J. Kathrein	Elmer C. Morland
Stark		Thomas Ewing	Harold J. Schneider
Steele	Arnold H. Johnson	Arnold H. Johnson	Gilman H. Johnson
Stutsman		Harold B. Herseth	David Orr
Towner	Ronald M. Dosch	Judith R. Hoffman	Howard Soderberg
Traill	Gene C. Grindeland	Howard Carver	Richard Fisher
Walsh		Ted Weisenburger	Joey L. Pederson
Ward		Gary A. Holum	Leon A. Schwan
Wells		Samuel D. Krause	Curtis Pellett
Williams		Gordon C. Thompson	Stanley Lyson

SOURCE: North Dakota State Bar Board, 1982 North Dakota Directory of Judges and Attorneys and information supplied by Grand Forks Sheriff's Department.

TABLE 17.16

LICENSED ATTORNEYS BY NORTH DAKOTA COUNTY, AS OF JUNE 1982

County	Licensed Attorneys	County	Licensed Attorneys
Adams	3	Mountrail	7
Barnes	15	Nelson	4
Benson	3	Oliver	2
Billings	1	Pembina	12
Bottineau	6	Pierce	7
Bowman	5	Ramsey	23
Burke	1	Ransom	6
Burleigh	221	Renville	2
Cass	248	Richland	20
Cavalier	5	Rolette	3
Dickey	5	Sargent	3
Divide	4	Sheridan	2
Dunn	1	Sioux	1
Eddy	6	Slope	0
Emmons	6	Stark	46
Foster	6	Steele	2
Golden Valley	4	Stutsman	25
Grand Forks	126	Towner	2
Grant	3	Traill	12
Griggs	2	Walsh	16
Hettinger	5	Ward	70
Kidder	3	Wells	5
LaMoure	5	Williams	45
Logan	2		
McHenry	4		
McIntosh	4	Total Resident	1,055
McKenzie	6	Total Non-resident	112
McLean	7		
Mercer	9		
Morton	26		

SOURCE: North Dakota State Bar Board, 1982 North Dakota Directory of Judges and Attorneys.

18.00

PUBLIC LANDS, PARKS, RECREATION AND TRAVEL

This section provides data on selected State and Federally owned lands in North Dakota and statistics pertaining to state recreational facilities and travel.

The primary source of information on State owned lands is the North Dakota Parks and Recreation Department. This source also provides detailed inventories of recreational facilities in the state, portions of which are reproduced in this section. Visitation figures for North Dakota parks (State and National) and State forest areas are also provided. Data on State school lands are reported in the *Biennial Report* of the North Dakota Board of University and School Lands.

Data on the extent of Federally owned lands in North Dakota are provided in *Public Land Statistics*, published annually by the U.S. Department of Interior, Bureau of Land Management (BLM). This source also provides cumulative totals of Federal Land Grants made to states for the period 1803 to the present. Another BLM publication, *Public Lands Digest Montana, North Dakota, and South Dakota*, reports lands under that agency's jurisdiction by North Dakota county.

Data indicating North Dakota county acreages administered by the U.S. Forest Service were provided by the agency's Bismarck office. Data on selected other Federally owned lands; U.S. Fish and Wildlife Service National Wildlife Refuges; U.S. Fish and Wildlife Service Waterfowl Production Areas; and U.S. Army Corps of Engineer lands, are provided by the North Dakota Parks and Recreation Department.

Data on North Dakota travel and tourism are unfortunately quite limited and very few statistics are reported herein. The travel-related data reported here are taken from estimates provided by the U.S. Travel Data Center in Washington, D.C.

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TABLE 17.13

ESTIMATED STATE AND LOCAL GOVERNMENT POLICE AND CORRECTIONS EMPLOYMENT AND POLICE EXPENDITURES, NORTH DAKOTA, 1967-1979

Year	Employment[a]						Police Expenditures[b] (Million Dollars)		
	Police Protection			Corrections					
	State	Local[c]	Total	State	Local[c]	Total	State	Local[c]	Total
1967	95	NA	NA	170	NA	NA	$1.0	$ NA	$ NA
1968	93	731	824	172	34	206	1.1	4.7	5.8
1969	113	704	817	169	37	206	1.1	5.1	6.2
1970	107	742	849	174	34	208	1.2	5.7	6.9
1971	141	804	945	215	52	267	1.7	7.2	8.9
1972	144	834	978	192	41	233	1.0	8.0	9.0
1973	151	878	1,029	205	54	259	1.0	9.0	10.0
1974	157	875	1,032	247	49	296	2.0	9.0	11.0
1975	153	890	1,043	274	62	336	3.0	10.0	13.0
1976	163	916	1,079	276	92	368	3.0	13.0	16.0
1977	169	972	1,141	290	82	372	5.0	14.0	19.0
1978	192	977	1,169	287	111	398	3.0	15.0	18.0
1979	186	1,000	1,186	259	135	394	3.0	18.0	21.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

[a] Full-time equivalent as of October of stated year.

[b] For fiscal year ending in year stated.

[c] Estimated; subject to substantial sampling variation (see source).

TABLE 18.01

ACREAGE OF FEDERAL LAND GRANTS MADE TO STATES, 1803-1979

State	Purpose				
	Common Schools	Other Schools	Other Institutions	Railroads	Wagon Roads
Alabama	911,627	383,785	181	2,747,479	-------
Alaska	106,000	112,064	1,000,000	-------	-------
Arizona	8,093,156	849,197	500,000	-------	-------
Arkansas	933,778	196,080	-------	2,563,721	-------
California	5,534,293	196,080	-------	160	-------
Colorado	3,685,618	138,040	32,000	-------	-------
Connecticut	-------	180,000	-------	-------	-------
Delaware	-------	90,000	-------	-------	-------
Florida	975,307	182,160	-------	2,218,705	-------
Georgia	-------	270,000	-------	-------	-------
Idaho	2,963,698	386,686	250,000	-------	-------
Illinois	996,320	526,080	-------	2,595,133	-------
Indiana	668,578	436,080	-------	-------	170,580
Iowa	1,000,679	286,080	-------	4,706,945	-------
Kansas	2,907,520	151,270	127	4,176,329	-------
Kentucky	-------	330,000	24,607	-------	-------
Louisiana	807,271	256,292	-------	373,057	-------
Maine	-------	210,000	-------	-------	-------
Maryland	-------	210,000	-------	-------	-------
Massachusetts	-------	360,000	-------	-------	-------
Michigan	1,021,867	286,080	-------	3,134,058	221,013
Minnesota	2,874,951	212,160	-------	8,047,469	-------
Mississippi	824,213	348,240	-------	1,075,345	-------
Missouri	1,221,813	376,080	-------	1,837,968	-------
Montana	5,198,258	388,721	100,000	-------	-------

TABLE 18.02

FEDERALLY OWNED LAND: ACREAGE IN NORTH DAKOTA BY AGENCY, FISCAL YEAR, 1979

Agency	Public Domain	Acquired	Total
Total Acres	208,996.0	2,177,389.4	2,386,385.4
Forest Service	106,575.0	999,010.0	1,105,585.0
Science/Education Admin.	--------	1,129.9	1,129.9
Energy Research & Development Admin.	--------	8.3	8.3
Western Area Power Admin.	--------	313.7	313.7
General Services Admin.	--------	65.0	65.0
Health Services Admin.	--------	12.0	12.0
Social Security Admin.	--------	.5	.5
Fish and Wildlife Service	12,675.8	420,373.0	433,048.8
Bureau of Indian Affairs	--------	6,413.6	6,413.6
Bureau of Land Management	68,142.0	--------	68,142.0
Water & Power Resources Ser.	906.7	127,061.0	127,967.7
National Park Service	10,454.5	60,755.7	71,210.0
Immigration & Naturalization Service	--------	7.9	7.9
United States Postal Service	--------	6.0	6.0
Federal Aviation Administration	--------	348.8	348.8
United States Coast Guard	--------	4.2	4.2
Bureau of Customs	--------	36.8	36.8
Veterans Administration	--------	59.3	59.3
Dept. of the Air Force	--------	12,286.0	12,286.0
Dept. of the Army	--------	900.0	900.0
Corps of Engineers	10,242.0	548,597.7	558,839.7

SOURCE: U.S. Dept. of the Interior, Bureau of Land Management, Public Land Statistics, 1979.

TABLE 18.03

PUBLIC LAND ACREAGE UNDER THE JURISDICTION OF THE BUREAU OF LAND MANAGEMENT BY NORTH DAKOTA COUNTY, MARCH 1982

County	Acreage	County	Acreage
Adams	80	McIntosh	213
Barnes	5	McKenzie	1,629
Benson	49	McLean	599
Billings	680	Mercer	459
Bowman	32,808	Morton	199
Burleigh	874	Mountrail	1,117
Cavalier	160	Oliver	112
Divide	1,605	Pierce	126
Dunn	15,989	Renville	78
Eddy	54	Sheridan	378
Emmons	599	Stutsman	80
Golden Valley	2,358	Towner	14
Grand Forks	40	Walsh	11
Grant	604	Ward	266
Kidder	1,520	Williams	1,401
Logan	523		
McHenry	3,233	NORTH DAKOTA	67,863

SOURCE: U.S. Dept. of Interior, Bureau of Land Management, Public Lands Digest for Montana, North Dakota and South Dakota, March 1982.

TABLE 18.04

UNITED STATES FOREST SERVICE ACREAGE BY NORTH DAKOTA COUNTY, FISCAL YEAR, 1982

County	Public Domain	Acquired*	Total
Billings	26,856	263,210	290,066
Golden Valley	3,199	93,143	96,342
Grant	------	480	480
McKenzie	67,196	435,891	503,087
McHenry	------	796	796
Ransom	------	42,062	42,062
Richland	40	28,078	28,118
Sioux	------	6,237	6,237
Slope	9,284	129,073	138,357
NORTH DAKOTA	106,575	999,090	1,105,544

SOURCE: U.S. Forest Service, North Dakota Office, Bismarck.

* Bankhead Jone Farm Tenant Act.

TABLE 18.05

UNITED STATES ARMY CORPS OF ENGINEERS LAND ACREAGE IN NORTH DAKOTA, 1978

Location	Acres	Administration
Main Public Area	70	Federal
Sundstrom's Landing	9	Federal
Keyes Crossing	4	Federal
Hwy. #26 Rec. Area	27	Federal
K. Olson's Landing	11	Federal
Eggert's Landing	28	Federal
Ashtabula Crossing	34	Local
Lake Ashtabula	183	
Spillway Overlook	17	Local
West Bay Landing	35	Local
Walsh Memorial Park	42	Local
Homme Reservoir	94	
General Sibley Park	165	Local
Winona Island	300	Federal
Beaver Creek	390	Federal
Fort Yates	10	Federal
Cannonball	5	Federal
Hazelton	90	Federal
Fort Rice	100	Federal
Sugarloaf Bottom	10	Federal
Little Heart	10	Federal
East Sibley Island	125	Local
Badger Shoal	15	Federal
Lake Oahe	1,220	
Hazen	45	Local
Trailwaters	325	Federal
Red Butte Bay	56	Local
Twin Buttes	44	Tribal
Downstream	502	Federal
Riverdale	810	Federal
Totten Trail	116	Federal
Fort Stevenson	349	State
Lewis & Clark	497	State
Trenton	90	Tribal
Four Bears	153	Tribal
Lake Sakakawea St. Park	550	State
East Abutment Overlook	205	Federal
Wolf Creek	40	Federal
Colharbor	135	Federal
Douglas Creek	318	Federal
Deepwater Creek	50	Federal

TABLE 18.05--Continued

Location	Acres	Administration
Parshall Bay	52	Local
Van Hook	55	County
Pouch Pt. Bay	17	Tribal
New Town	220	Local
Raums	129	County
Tobacco Garden	190	Federal
Bear Den Creek	35	Tribal
Lost Bridge	40	Tribal
Little Missouri	215	Local
Charging Eagle	69	Local
Beaver Creek	228	Local
Beulah Bay	103	Local
Intake	109	Federal
Lake Sakakawea	6,077	
The Point	525	County
South Shore	555	County
North Shore	503	County
Bowman-Haley Lake	1,583	
Parkhurst	503	Local
Pipestem	880	Federal
Pipestem Lake	1,383	
NORTH DAKOTA	10,540	

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.06

UNITED STATES FISH AND WILDLIFE SERVICE NATIONAL WILDLIFE REFUGES: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region/County	Refuge	Acres Owned	Acres Leased or Easement
Region 1			
Williams	Lake Zahl	3,219	525
Region 2			
Ward	Hiddenwood	------	200
Burke-Ward	Des Lacs	14,069	-----
Burke-Mountrail	Lostwood	24,810	-----
Mountrail	Shell Lake	710	1,125
Renville-Ward	Upper Souris	32,088	4
Bottineau	Lords Lake	------	1,915
Bottineau-McHenry	J. Clark Salyer	58,693	-----
McHenry	Wintering River	------	239
McHenry	Cottonwood Lake	------	1,013
Pierce	Buffalo Lake	27	2,070
Region 3			
Rolette	Rabb Lake	------	261
Rolette	School Section Lake	------	680
Rolette	Willow Lake	1	2,620
Towner	Rock Lake	------	5,507
Towner	Brumba	------	1,977
Towner	Snyder	------	1,550
Benson	Sullys Hill	1,674	------
Benson	Pleasant Lake	------	898
Benson	Wood Lake	------	280
Benson	Silver Lake	------	3,348
Eddy	Johnson Lake	------	728
Ramsey-Towner	Lake Alice	7,371	168
Region 4			
Walsh	Lake Ardoch	307	2,389
Nelson	Rose Lake	------	836
Nelson	Lambs Lake	------	1,207
Nelson	Stump Lake	------	27
Nelson	Johnson Lake	4	1,276
Grand Forks	Little Goose	------	288
Grand Forks	Kellys Slough	680	590
Region 5			
Richland	Lake Elsie	------	635
Sargent	Tewaukon	6,864	1,252
Sargent	Storm Lake	2	684
Sargent	Wild Rice Lake	------	779

TABLE 18.06--Continued

Region/County	Refuge	Acres Owned	Acres Leased or Easement
Region 6			
Griggs	Sibley Lake	------	1,077
Foster-Stutsman	Arrowwood	13,346	-----
Stutsman	Chase Lake	1,547	-----
Stutsman	Halfway Lake	------	160
Barnes	Stoney Slough	------	880
Barnes	Tomahawk	------	440
Barnes	Hobart Lake	246	1,831
LaMoure	Bonehill Creek	------	640
Dickey	Maple River	------	712
Dickey	Dakota Lake	------	2,756
Region 7			
McLean	Audubon	14,776	-----
McLean	Hiddenwood	------	368
McLean	Camp Lake	------	585
McLean	Lost Lake	------	960
McLean	McLean Lake	344	416
McLean	Lake Nettie	2,261	634
McLean	Lake Otis	------	320
Sheridan	Sheyenne Lake	------	797
Burleigh-Kidder	Long Lake	13,749	8,561
Burleigh	Canfield Lake	3	310
Burleigh	Florence Lake	1,468	320
Kidder	Slade	3,000	-----
Kidder	Lake George	29	3,090
Kidder	Hutchinson Lake	------	479
Emmons	Appert Lake	------	908
Emmons	Sunburst Lake	------	328
Emmons	Springwater Lake	------	640
Grant	Pretty Rock	------	800
Region 8			
Dunn	Lake Ilo	3,197	836
Slope	Steward Lake	4	2,226
Slope	White Lake	1,040	------
NORTH DAKOTA		205,529	66,145

SOURCE: U.S. Dept. of the Interior, Fish and Wildlife Service, Bismarck, mimeo.

* As of September 30, 1982.

TABLE 18.07

UNITED STATES FISH AND WILDLIFE SERVICE WATERFOWL PRODUCTION AREAS: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region/County		Acres
NORTH DAKOTA		225,343
Region 1	14,047	
Divide		9,885
Williams		4,162
Region 2	33,515	
Burke		3,544
Mountrail		7,146
Renville		234
Ward		5,691
Bottineau		2,150
McHenry		4,163
Pierce		10,587
Region 3	38,412	
Rolette		5,020
Towner		2,481
Benson		8,798
Cavalier		9,621
Ramsey		7,832
Eddy		4,660
Region 4	11,196	
Pembina		2,142
Walsh		1,399
Nelson		3,053
Grand Forks		4,602
Region 5	18,967	
Steele		3,249
Traill		719
Cass		3,106
Ransom		4,152
Richland		4,204
Sargent		3,537
Region 8	80,663	
Wells		5,884
Foster		1,486
Griggs		2,639
Stutsman		22,022
Barnes		6,587
Logan		10,634
LaMoure		4,800
McIntosh		17,402
Dickey		9,209
Region 7	27,543	
McLean		3,908
Sheridan		7,214
Burleigh		7,263
Kidder		6,013
Emmons		3,145
Region 8	-----	

SOURCE: U.S. Dept. of the Interior, Fish and Wildlife Service, Area Office, Bismarck, mineo.

* As of September 30, 1982.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 18.08

STATE PARK SERVICE LAND: LOCATION AND ACREAGE BY NORTH DAKOTA COUNTY

County	Name of Area	Acreage	Type of Area
Billings	Sully Creek Campground	88.00	Seasonal Park
Bottineau	Lake Metigoshe	1,047.15	All Seasons Park
Bottineau	Lake Metigoshe Access Area	3.00	Seasonal Park
Bottineau	Butte St. Paul	47.00	Seasonal Park
Bowman	Butte View Campgroung	20.00	Seasonal Park
Burleigh	Double Ditch	118.73	Seasonal Park
Cavalier	Walhalla	1,333.43	Primitive Grasslands
Dunn	Little Missouri Bay	5,923.53[1]	Seasonal Park
Grand Forks	Turtle River	655.52	All Seasons Park
Kidder	Streeter Memorial	62.90	Seasonal Park
Logan	Beaver Lake	141.40	All Seasons Park
McHenry	Smoky Lake	276.00	Primitive Grasslands
McIntosh	Doyle Memorial	21.20	Seasonal Park
McKenzie	Badlands	1,600.00	Primitive Grasslands
McLean	Fort Stevenson	438.00[2]	All Seasons Park
Mercer	Lake Sakakawea	822.00[2]	All Seasons Park
Morton	Fort Lincoln	976.13	All Seasons Park
Morton	Highway Tract	157.34[2]	Primitive Grasslands
Mountrail	Crow Flies High	253.04	Seasonal Park
Pembina	Icelandic	840.94	All Seasons Park
Ramsey	Devils Lake Access Area	10.00	Seasonal Park
Ransom	Fort Ransom	891.70	All Seasons Park
Ransom	Strong Memorial	1.92	Memorial Site
Williams	Lewis and Clark	490.00[2]	All Seasons Park
Total		15,873.66	

SOURCE: North Dakota Parks and Recreation Department.

[1] This includes 1,080.00 acres owned and 4,843.53 acres leased.

[2] Lands leased by State Park Service.

TABLE 18.09

STATE FOREST SERVICE LAND: LOCATION AND ACREAGE BY NORTH DAKOTA COUNTY

County	Name of Area	Acreage
Bottineau	Turtle Mountain State Forest	7,194.47
Bottineau-Rolette	Homen State Forest	3,371.25
Bottineau	Hahn's Bay State Forest	150.00
Bottineau	Bottineau Nursery	125.00
McHenry	Mouse River State Forest	359.16
McHenry	Towner Nursery	279.18
Pembina-Cavalier	Tetrault Woods State Forest	429.00
Ransom	Sheyenne State Forest	508.60
Total		12,416.66

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.10

NORTH DAKOTA GAME AND FISH DEPARTMENT WILDLIFE MANAGEMENT AREAS: ACREAGE BY NORTH DAKOTA STATE PLANNING REGIONS AND COUNTY*

Region/County	Leased	Owned	Total Acres
Region 1 Total	13,961.03	509.23	14,470.26
Divide	------	160.00	160.00
Williams	4,105.15	317.63	4,422.78
McKenzie	9,855.88	31.60	9,887.48
Region 2 Total	4,146.93	4,333.32	8,480.25
Burke	------	465.93	465.93
Renville	------	------	------
Bottineau	------	2,032.10	2,032.10
Mountrail	4,146.93	320.00	4,466.93
Ward	------	40.00	40.00
McHenry	------	515.34	515.34
Pierce	------	959.95	959.95
Region 3 Total	650.00	14,202.51	14,852.51
Rolette	10.00	7,020.16	7,030.16
Towner	------	23.10	23.10
Cavalier	640.00	4,291.06	4,931.06
Ramsey	------	375.18	375.18
Benson	------	1,039.80	1,039.80
Eddy	------	1,453.21	1,453.21
Region 4 Total	------	8,234.98	8,234.98
Pembina	------	3,566.95	3,566.95
Walsh	------	418.82	418.82
Nelson	------	1,098.96	1,098.96
Grand Forks	------	3,150.25	3,150.52
Region 5 Total	------	9,185.55	9,185.55
Steele	------	1,299.44	1,299.44
Traill	------	------	------
Cass	------	1,133.90	1,133.90
Richland	------	3,817.93	3,817.93
Ransom	------	821.16	821.16
Sargent	------	2,113.42	2,113.42
Region 6 Total	------	11,332.78	11,332.78
Wells	------	1,516.19	1,516.19
Foster	------	160.00	160.00
Griggs	------	102.90	102.90
Stutsman	------	142.87	142.87
Barnes	------	1,784.51	1,784.51
Logan	------	597.80	597.80
LaMoure	------	2,294.56	2,294.56
McIntosh	------	2,121.53	2,121.53
Dickey	------	2,756.42	2,756.42

TABLE 18.10--Continued

Region/County	Leased	Owned	Total Acres
Region 7 Total	58,498.47	12,555.61	71,054.08
McLean	25,247.58	118.63	25,366.21
Sheridan	------	------	------
Mercer	3,444.60	1,895.16	5,339.76
Oliver	------	566.91	566.91
Burleigh	8,051.99	2,112.71	10,164.70
Kidder	------	4,049.61	4,049.61
Morton	5,628.70	3,193.29	8,821.99
Grant	5,499.60	320.00	5,819.60
Sioux	------	299.30	299.30
Emmons	10,626.00	------	10,626.00
Region 8 Total	------	9,140.28	9,140.28
Golden Valley	------	111.78	111.78
Billings	------	------	------
Dunn	------	6,731.00	6,731.00
Stark	------	------	------
Slope	------	977.60	977.60
Hettinger	------	1,173.57	1,173.57
Bowman	------	------	------
Adams	------	146.33	146.33
NORTH DAKOTA	77,256.43	69,494.26	146,750.69

SOURCE: Data supplied by the North Dakota Game and Fish Department.

* As of January 1, 1983. Refer to page 2.

TABLE 18.01--Continued

State	Purpose Common Schools	Other Schools	Other Institutions	Railroads	Wagon Roads
Nebraska	2,730,951	136,080	32,000	-------	-------
Nevada	2,061,967	136,080	12,800	-------	-------
New Hampshire	-------	150,000	-------	-------	-------
New Jersey	-------	210,000	-------	-------	-------
New Mexico	8,711,324	1,346,546	750,000	-------	-------
New York	-------	990,000	-------	-------	-------
North Carolina	-------	270,000	-------	-------	-------
NORTH DAKOTA	2,495,396	336,080	250,000	-------	-------
Ohio	724,266	699,120	-------	-------	80,774
Oklahoma	1,375,000	1,050,000	670,760	-------	-------
Oregon	3,399,360	136,165	-------	-------	2,583,890
Pennsylvania	-------	780,000	-------	-------	-------
Rhode Island	-------	120,000	-------	-------	-------
South Carolina	-------	180,000	-------	-------	-------
South Dakota	2,733,084	366,080	250,640	-------	-------
Tennessee	-------	300,000	-------	-------	-------
Texas	-------	180,000	-------	-------	-------
Utah	5,844,196	556,141	500,160	-------	-------
Vermont	-------	150,000	-------	-------	-------
Virginia	-------	300,000	-------	-------	-------
Washington	2,376,391	336,080	200,000	-------	-------
West Virginia	-------	150,000	-------	-------	-------
Wisconsin	982,329	332,160	-------	3,652,322	302,931
Wyoming	3,470,009	136,080	420,000	-------	-------
Total	77,629,220	16,707,787	4,993,275	37,128,691	3,359,188

TABLE 18.01--Continued

State	Purpose				
	Canals & Rivers	Misc. Improvements (not spec.)	Swamp Reclamation	Other Purposes	Total
Alabama	400,016	97,469	441,666	24,660	5,006,883
Alaska	-------	-------	-------	103,351,187	104,569,251
Arizona	-------	-------	-------	1,101,400	10,543,753
Arkansas	-------	500,000	7,686,575	56,680	11,936,834
California	-------	500,000	2,193,967	400,768	8,825,268
Colorado	-------	500,000	-------	115,946	4,471,604
Connecticut	-------	-------	-------	-------	180,000
Delaware	-------	-------	-------	-------	90,000
Florida	-------	500,000	20,333,074	5,120	24,214,366
Georgia	-------	-------	-------	-------	270,000
Idaho	-------	-------	-------	654,064	4,254,448
Illinois	324,283	209,086	1,460,164	123,589	6,234,655
Indiana	1,480,409	-------	1,259,271	25,600	4,040,518
Iowa	321,[illegible]12	500,000	1,196,392	49,824	8,061,262
Kansas	-------	500,000	-------	59,423	7,794,669
Kentucky	-------	-------	-------	-------	354,607
Louisiana	-------	500,000	9,504,723	-------	11,441,343
Maine	-------	-------	-------	-------	210,000
Maryland	-------	-------	-------	-------	210,000
Massachusetts	-------	-------	-------	-------	360,000
Michigan	1,250,236	500,000	5,680,312	49,280	12,142,846
Minnesota	-------	500,000	4,706,591	80,880	16,422,051
Mississippi	-------	500,000	3,348,946	1,253	6,097,997
Missouri	-------	500,000	3,432,521	48,640	7,417,022
Montana	-------	-------	-------	276,359	5,963,338

TABLE 18.01--Continued

State	Purpose Canals & Rivers	Misc. Improvements (not spec.)	Swamp Reclamation	Other Purposes	Total
Nebraska	-------	500,000	-------	59,680	3,458,711
Nevada	-------	500,000	-------	14,379	2,725,226
New Hampshire	-------	-------	-------	-------	150,000
New Jersey	-------	-------	-------	-------	210,000
New Mexico	100,000	-------	-------	1,886,848	12,794,718
New York	-------	-------	-------	-------	990,000
North Carolina	-------	-------	-------	-------	270,000
NORTH DAKOTA	-------	-------	-------	82,076	3,163,552
Ohio	1,204,114	-------	26,372	24,216	2,758,862
Oklahoma	-------	-------	-------	-------	3,095,760
Oregon	-------	500,000	286,108	127,324	7,032,847
Pennsylvania	-------	-------	-------	-------	780,000
Rhode Island	-------	-------	-------	-------	120,000
South Carolina	-------	-------	-------	-------	180,000
South Dakota	-------	-------	-------	85,569	3,435,373
Tennessee	-------	-------	-------	-------	300,000
Texas	-------	-------	-------	-------	180,000
Utah	-------	-------	-------	601,240	7,501,737
Vermont	-------	-------	-------	-------	150,000
Virginia	-------	-------	-------	-------	300,000
Washington	-------	-------	-------	132,000	3,044,471
West Virginia	-------	-------	-------	-------	150,000
Wisconsin	1,022,349	500,000	3,361,283	26,430	10,179,804
Wyoming	-------	-------	-------	316,431	4,342,520
Total	6,102,749	7,806,555	64,917,965	109,780,866	328,426,296

SOURCE: U.S. Dept. of the Interior, Bureau of Land Management, Public Land Statistics, 1979.

TABLE 18.11

STATE SCHOOL LAND ACREAGE BY NORTH DAKOTA COUNTY, JUNE 30, 1981

County	Surface Acres	County	Surface Acres
NORTH DAKOTA	708,014.21		
Adams	17,122.16	Mountrail	32,453.89
Barnes	2,798.09	Nelson	2,853.66
Benson	10,922.09	Oliver	8,643.03
Billings	31,281.47	Pembina	-------
Bottineau	2,754.15	Pierce	14,317.00
Bowman	29,281.58	Ramsey	2,056.50
Burke	16,129.97	Ransom	1,120.00
Burleigh	27,916.87	Renville	1,911.00
Cass	40.00	Richland	513.68
Cavalier	596.47	Rolette	6,855.92
Dickey	3,663.77	Sargent	1,128.79
Divide	21,133.13	Sheridan	25,658.64
Dunn	25,979.53	Sioux	23,538.42
Eddy	10,913.19	Slope	23,621.72
Emmons	13,734.32	Stark	6,142.64
Foster	3,116.41	Steele	-------
Golden Valley	29,043.21	Stutsman	15,189.95
Grand Forks	2,073.77	Towner	8,059.31
Grant	33,465.95	Traill	-------
Griggs	1,741.24	Walsh	201.02
Hettinger	9,914.40	Ward	11,039.06
Kidder	28,637.79	Wells	5,088.63
LaMoure	1,605.00	Williams	38,840.54
Logan	9,394.07		
McHenry	22,144.94		
McIntosh	6,357.50		
McKenzie	63,316.68		
McLean	20,875.84		
Mercer	15,084.95		
Morton	17,672.27		

SOURCE: North Dakota Board of University and School Lands, Forty-Fourth Biennial Report.

TABLE 18.12

FACILITIES AVAILABLE AT NORTH DAKOTA STATE PARKS, 1980

Facilities	Fort Lincoln	Lake Sakakawea	Lewis and Clark	Fort Stevenson	Lake Metigoshe
Picnic Facilities	X	X	X	X	X
Primitive Campground	X	X	X	X	X
Campgrounds	X	X	X	X	X
Fishing (Shore)	X	X	X	X	X
Swimming (Beach)		X	X	X	X
Boating Facilities	X	X	X	X	X
Scenic Drives		X		X	X
Hiking Trails	X	X	X	X	X
Bike Trails	X	X	X	X	X
Downhill Skiing					
Equestrian Activities	X				X
Ice Fishing	X	X	X	X	X
Snowmobiling	X	X	X	X	X
Cross Country Skiing	X	X		X	X

Facilities	Icelandic	Turtle River	Fort Ransom	Beaver Lake	Little Missouri Bay	Sully Creek
Picnic Facilities	X	X	X	X	X	X
Primitive Campground	X	X	X		X	X
Campgrounds	X	X	X			X
Fishing (Shore)	X		X	X		
Swimming (Beach)	X			X		
Boating Facilities	X			X		
Scenic Drives						
Hiking Trails	X	X	X		X	X
Bike Trails		X	X			
Downhill Skiing						
Equestrian Activities					X	X
Ice Fishing	X			X		
Snowmobiling	X	X	X	X	X	X
Cross Country Skiing	X	X	X	X	X	X

SOURCE: North Dakota State Parks System Plan prepared for North Dakota State Parks and Recreation Department.

TABLE 18.13

NORTH DAKOTA STATE PARKS AND THEODORE ROOSEVELT NATIONAL PARK VISITATION, 1971-1982

State Park	1971	1972	1974	1975	1976	1977
Fort Lincoln	85,301	74,349	127,874	162,247	183,802	171,985
Lake Metigoshe	94,017	79,923	125,000	133,000	133,000	138,000
Lake Sakakawea	78,553	78,599	160,902	150,780	180,168	176,468
Turtle River	99,227	67,463	120,966	120,418	158,085	137,727
Beaver Lake	15,100	6,290	23,846	37,412	30,176	19,930
Butte View	3,536	4,103	5,143	3,775	6,881	6,023
Fort Stevenson	-----	-----	34,558	15,131*	39,340	62,053
Icelandic	18,575	37,128	71,593	79,594	98,578	104,360
Lewis & Clark	-----	-----	65,266	64,109	62,864	80,375
Doyle Memorial	-----	-----	8,884	9,611	7,834	10,813
Little Missouri Bay	-----	-----	9,749	11,866	9,339	11,878
Streeter Memorial	-----	-----	7,026	3,702	10,615	7,367
Fort Ransom	-----	-----	-----	-----	-----	-----
Sully Creek	-----	-----	12,942	16,499	17,271	23,338
State Park Totals	394,309	347,855	773,749	808,144	937,953	950,317
Theodore Roosevelt National Park	710,289	1,001,957	701,696	803,933	940,712	831,475

TABLE 18.13--Continued

State Park	1978	1979	1980	1981	1982
Fort Lincoln	259,228	133,833	159,375	143,509	144,414
Lake Metigoshe	150,000	128,000	110,000	100,000	104,000
Lake Sakakawea	133,251	122,908	145,147	180,075	196,693
Turtle River	160,577	135,676	130,937	133,744	129,030
Beaver Lake	23,144	21,064	22,962	16,209	17,309
Butte View	4,846	2,179	3,959	3,663	3,945
Fort Stevenson	76,552	61,940	71,232	88,472	91,988
Icelandic	125,037	124,359	104,015	96,815	117,831
Lewis & Clark	103,468	100,115	113,812	114,809	114,947
Doyle Memorial	8,840	18,176	15,196	25,841	7,138
Little Missouri Bay	14,908	14,581	13,808	10,709	10,511
Streeter Memorial	7,735	8,950	5,996	16,233	11,636
Fort Ransom	-----	-----	3,000	3,500	11,974
Sully Creek	27,374	11,350	19,737	14,631	14,000
State Park Totals	1,094,960	884,131	919,176	948,210	975,416
Theodore Roosevelt National Park	833,306	599,122	603,210	710,349	684,490

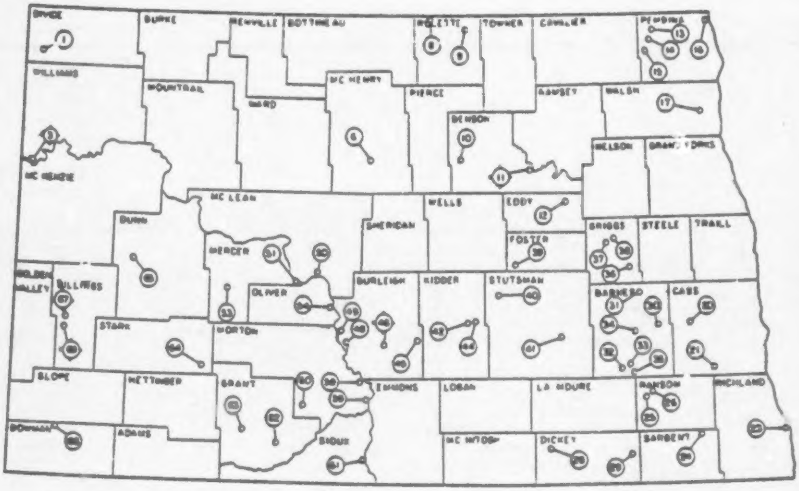
SOURCE: North Dakota Parks and Recreation Department and Theodore Roosevelt National Park.

* July through end of season.

Note: No visitation figures are available for 1973.

TABLE 18.14

NORTH DAKOTA HISTORIC SITES ADMINISTERED BY THE STATE HISTORICAL SOCIETY: LOCATION AND ACREAGE


DIVIDE
BURKE
RENVILLE
BOTTINEAU
ROLETTE
TOWNER
CAVALIER
PEMBINA
WILLIAMS
MOUNTRAIL
WARD
MC HENRY
PIERCE
RAMSEY
WALSH
BENSON
MC KENZIE
NELSON
GRAND FORKS
MC LEAN
WELLS
EDDY
DUNN
SHERIDAN
GRIGGS
STEELE
TRAILL
MERCER
FOSTER
GOLDEN VALLEY
BILLINGS
OLIVER
BURLEIGH
KIDDER
STUTSMAN
BARNES
CASS
STARK
MORTON
SLOPE
HETTINGER
GRANT
EMMONS
LOGAN
LA MOURE
RANSOM
RICHLAND
BOWMAN
ADAMS
SIOUX
MC INTOSH
DICKEY
SARGENT

O Listed in the North Dakota Century Code Register of Historic Sites

Map Key	Name of Site	Acreage	County
1	Writing Rock	10.00	Divide
3	*Fort Buford	189.36	Williams
6	David Thompson Site	0.68	McHenry
8	International Peace Garden	888.00	Rolette
9	St. Claude	40.00	Rolette
10	Palmers Spring	2.83	Benson
11	*Fort Totten	9.23	Benson
12	Brenner Crossing	0.25	Eddy
13	*Gingras Trading Post	1.181	Pembina
14	Kittson Trading Post	5.88	Pembina
15	Oak Lawn Church	0.55	Pembina
16	Pembina	3.55	Pembina
17	Sweden Site	0.001	Walsh
20	Buffalo Creek Campsite	0.12	Cass
21	Maple Creek Crossing	0.38	Cass
23	Fort Abercrombie	41.95	Richland
24	Camp Buell	0.50	Sargent
25	Fort Ransom	6.42	Ransom
26	Standing Rock	2.00	Ransom
28	Whitestone Hill Battlefield	76.00	Dickey
29	Hudson Town Site	1.50	Dickey

TABLE 18.14--Continued

Map Key	Name of Site	Acreage	County
30	Camp Arnold	0.10	Barnes
31	Camp Corning	0.30	Barnes
32	Camp Sheardown	0.03	Barnes
33	Birch Creek Campsite	1.00	Barnes
34	Wadeson Site	1.00	Barnes
35	Camp Weiser	0.03	Barnes
36	Lake Johnson	0.40	Griggs
37	Camp Atchison	0.60	Griggs
38	Lake Jessie	0.29	Griggs
39	Camp Kimball	0.13	Foster
40	Camp Grant	1.00	Stutsman
41	Fort Seward	13.86	Stutsman
42	McPhails Butte	0.33	Kidder
43	Burman Historic Site	0.01	Kidder
44	Camp Whitney	4.00	Kidder
45	Chaska Site	0.05	Burleigh
46	**Menoken Indian Village	13.70	Burleigh
47	*Camp Hancock	0.92	Burleigh
47	*Former Executive Mansion	0.52	Burleigh
48	Steamboat Warehouse	3.21	Burleigh
49	*Double Ditch Indian Village	37.45	Burleigh
50	Fort Mandan	30.47	McLean
51	Fort Clark	231.50	Mercer
53	Crowley Flint Quarry	2.35	Mercer
54	Molander Indian Village	11.65	Oliver
58	*Huff Indian Village	14.00	Morton
59	Fort Rice	7.00	Morton
60	Bismarck-Deadwood Stage Trail	0.06	Morton
61	Sitting Bull Grave Site	5.00	Sioux
62	Cannonball Stage Station	3.40	Grant
63	Medicine Rock	11.88	Grant
64	Sully Corral	5.02	Stark
65	Killdeer Battlefield	1.00	Dunn
66	*Fort Dilts	8.25	Bowman
67	*Chateau de Mores	124.99	Billings
68	*DeMores Packing Plant	.01	Billings

SOURCE: North Dakota State Historical Society.

* On the National Register of Historic Places, April 1975.

** On the National Register of Historic Landmarks, February 1975.

Note: In addition to the historic sites administered by the State Historical Society, there are additional sites administered by other agencies.

TABLE 18.16

ESTIMATED ECONOMIC EFFECTS OF TRAVEL IN THE UNITED STATES AND NORTH DAKOTA, 1975 and 1981

Travel	United States		North Dakota	
	1975	1981	1975	1981
Domestic Travel Expenditures ($ Millions)	$ 84,372	NA	$270.8	$646.0
Travel-Generated Business Receipts ($ Millions)	$ 78,500	NA	$249.1	$596.4
Travel-Generated Employment	3,334,600	NA	12,300	18,000
Public Transportation	317,900	NA	400	556
Auto Transportation	235,600	NA	700	889
Lodging	497,300	NA	1,700	2,000
Food	1,681,500	NA	7,000	11,200
Entertainment	331,900	NA	1,600	2,111
Incidental Purchases	216,300	NA	800	1,111
Travel Arrangement	63,100	NA	100	111
Travel-Generated Payroll ($ Millions)	$ 19,247	NA	$ 51.2	$114.8
Travel-Generated Tax Receipts ($ Millions)	$ 10,999	NA	$ 36.3	$ 22.0

SOURCE: U.S. Travel Data Center, The Impact of Travel on State Economies, 1975 and 1978 and statistics (unpublished) provided by U.S. Travel Data Center.

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TABLE 18.15

NORTH DAKOTA OUTDOOR RECREATION FACILITIES BY COUNTY, 1979
(Selected Recreational Activities)

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping			Picnicking Acres
				Acres	Tent Sites	Trailer Sites	
Adams	475	142	---	8	3	24	5
Barnes	13,182	1,220	1.0	479	263	155	105
Benson	17,715	2,170	2.5	68	94	76	58
Billings	370,263	---	---	56	91	178	31
Bottineau	44,235	8,194	43.0	87	95	235	226
Bowman	42,228	3,760	---	20	5	70	53
Burke	5,476	1,496	10.0	5	8	15	13
Burleigh	27,392	8,317	2.0	94	157	285	45
Cass	7,262	474	20.0	52	157	161	182
Cavalier	15,491	229	---	13	10	20	16
Dickey	17,880	1,199	2.0	14	31	20	24
Divide	11,802	130	---	---	---	---	4
Dunn	63,239	28,713	75.0	6	1	---	6
Eddy	7,374	594	---	15	43	25	15
Emmons	56,597	39,341	---	19	135	34	21
Foster	2,705	1,003	---	2	17	18	14
Golden Valley	99,369	157	---	---	3	3	3
Grand Forks	10,696	189	13.0	20	75	275	186
Grant	13,013	5,249	---	30	---	---	39
Griggs	4,536	151	3.0	---	47	47	8
Hettinger	1,566	206	1.0	---	---	8	5
Kidder	21,503	3,106	1.0	21	85	50	30
LaMoure	8,307	888	---	8	40	16	37
Logan	13,144	1,543	5.0	26	---	29	26
McHenry	12,908	2,073	---	19	27	52	20
McIntosh	21,796	2,678	---	6	22	22	31
McKenzie	597,084	53,841	30.0	23	95	94	43
McLean	136,265	93,039	1.0	98	26	125	31
Mercer	41,427	38,858	1.3	306	139	80	108
Morton	29,197	19,123	3.0	39	75	74	66

TABLE 18.15--Continued

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping Acres	Camping Tent Sites	Camping Trailer Sites	Picnicking Acres
Mountrail	110,775	96,501	---	---	20	41	11
Nelson	8,268	529	2.0	37	49	50	45
Oliver	5,915	5,141	---	2	---	8	11
Pembina	7,673	382	35.0	72	65	58	46
Pierce	14,036	488	---	16	10	13	4
Ramsey	55,022	39,171	4.0	309	83	90	18
Ransom	48,493	210	2.0	15	10	45	17
Renville	26,240	9,805	---	---	50	65	74
Richland	41,731	2,230	4.5	12	34	46	37
Rolette	22,466	4,764	12.0	111	87	94	50
Sargent	15,438	1,651	---	14	16	8	24
Sheridan	8,455	*	---	---	---	---	10
Sioux	25,220	24,535	---	3	---	---	8
Slope	142,763	484	*	1	---	3	9
Stark	9,360	4,319	---	55	152	176	196
Steele	5,409	1,223	---	15	80	10	16
Stutsman	50,749	5,230	---	52	280	35[illegible]	135
Towner	13,155	281	---	10	36	2[illegible]	24
Traill	1,210	110	---	17	14	63	35
Walsh	5,663	769	---	31	35	67	66
Ward	29,989	2,659	---	113	102	250	410
Wells	8,681	649	5.0	43	35	16	55
Williams	55,295	40,443	1.0	13	124	231	62

SOURCE: North Dakota Parks and Recreation Department, 1979.

* Facilities available, but without size designation.

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